CS101x

User Manual

V2.2.X iOS System

Smart Cloud Security Kit

Door & Window Sensor
DDLA0z

Security Alarm
WDG71n

Motion Sensor
MDKA0z

Product Introduction:

The Smart Cloud Sensor Kit has an easy installation system via internet connection with Sapido APP downloaded to a smartphone. With the immediate notification message from the system during an emergency, you will enjoy not only the home safety but also company security all in one.

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1. Hardware Instruction and Introduction

1.1 LED guide-light indicator

(1) Security Alarm（WDG71n）

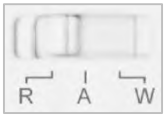
Guide-light	Light Color	Statue Instruction
WAN/LAN	Orange	Power on is being applied on the device. After 30 seconds, the LED light will be green.
	Green	Wireless network is connected properly
ZigBee LED	Green	Steady：Security system working properly
		Flashing: Alarm, Door & Window sensors and motion detector are mapping the connection.
Wireless Status	Green	Wi-Fi signal normal
WPS Status	Orange	Wi-Fi signal extending
	Green	Wi-Fi signal extended successfully

(2) Cloud Door & Window Sensor（DDLA0z）and Cloud Motion Sensor （MDKA0z）

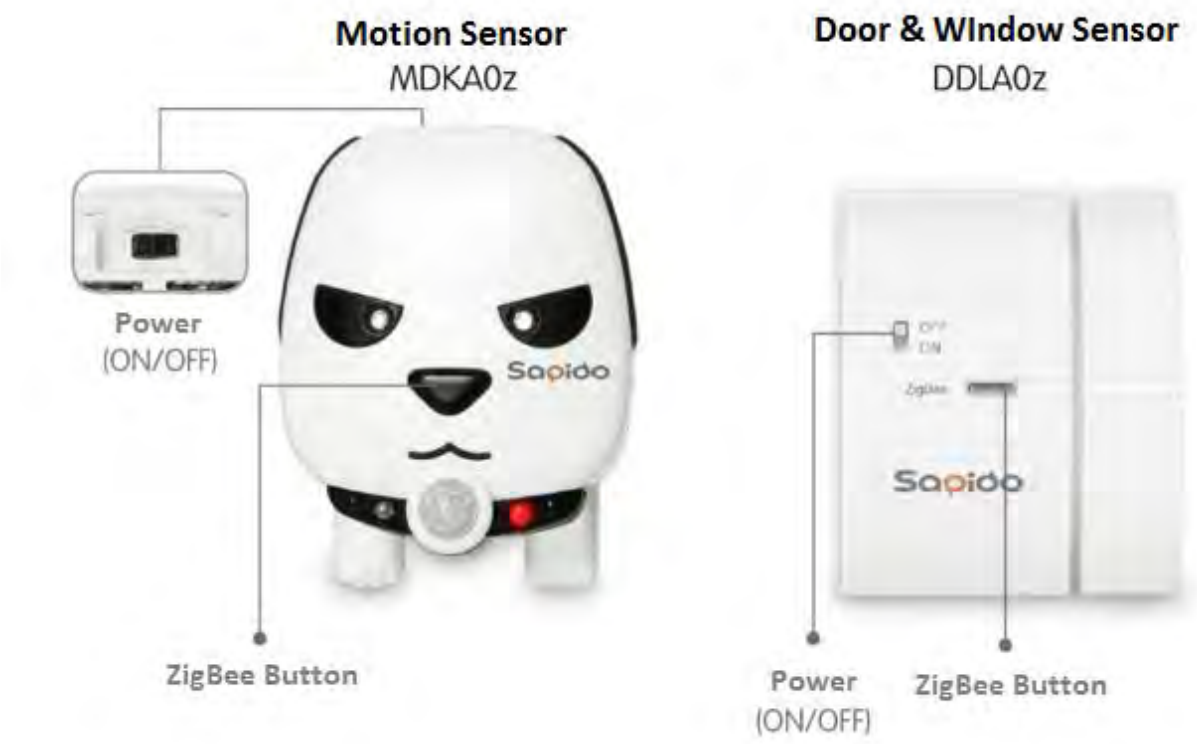
Product	Guide-light	Light Color	Statue Instruction
DDLA0z	ZigBee	Red	Connecting with WDG71n
		Green	Connected with WDG71n successfully
		Orange	Low Battery
MDKA0z	ZigBee	Red	Connecting with WDG71n
		Green	Connected with WDG71n successfully
		Orange	Low Battery

1.2 Hardware Instruction

(1) Security Alarm（WDG71n）

Guide-light	Statue Instruction
WAN/LAN	Connect to xDSL/Fiber, Static IP, Dynamic IP, PPTP, L2TP, Wi-Fi ISP AP, WiFi-AP
Power Outlet	Power supply 100V-240V
ZigBee/ Alarm power Off Button	For ZigBee signal extend, it is also a button for turn on/off alarm manually
 Network Mode Switch	● Please switch to the R mode while the RJ45 cable is connecting to the xDSL modem and WDG71n ● Please switch to A mode while RJ45 cable is connecting to Sapido router and WDG71n. ● Please switch to the W mode while connecting to Wi-Fi network by Sapido router. ● Please switch to the R mode while connecting to the network by other brand routers.
Reset Button	● Press over 10 seconds to factory default settings(like your Wi-Fi password) ● Press about 3 seconds, the device will be rebooted

(2) Cloud Motion Sensor（MDKA0z）and Cloud Door & Window Sensor （DDLA0z）

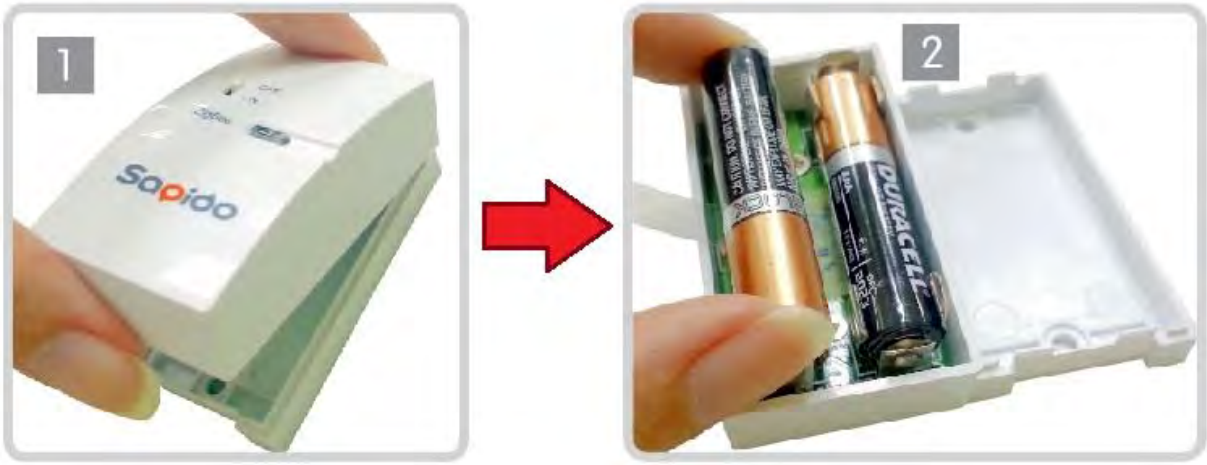


Product	Button	Statue Instruction
DDLA0z	Power Button	ON：Power On
		OFF：Power Off
	ZigBee LED	ZigBee signal connecting
MDKA0z	Power Button	ON：Power On
		OFF：Power Off
	ZigBee LED	ZigBee signal connecting

1.3 Hardware Installation

Step 1. Please switch to R mode on the lateral side of product (WDG71n), then plug on the power outlet. WDG71n is starting up when the WAN/LAN indicator turning red. The system is completely turn on when ZigBee light and all LED lights turn green after 30 seconds. The alarm (WDG71n) can not only deter the intruders by alert sound, but also warn the owner about any unusual circumstances are happening. For example, the door and window to which are attached Cloud Door & Window Sensors were opened by intruders, or the Cloud Motion Sensor detected intruders.

Step 2. Please open the lid of the Cloud Door & Window Sensor (DDLA0z), and insert 2 x AAA batteries.



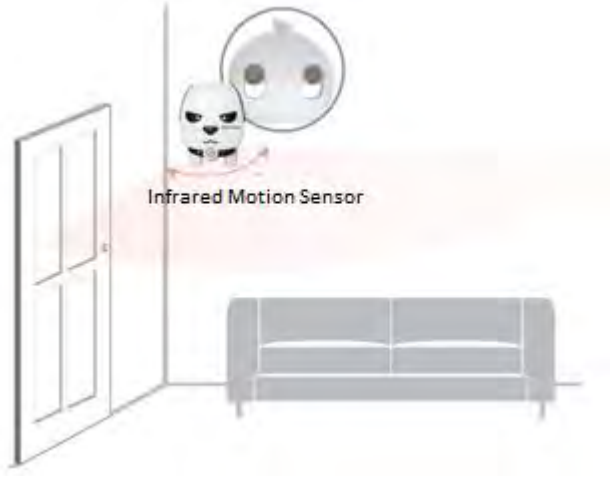
Step 3. Please tear the double-sided tape and paste on the back of Cloud Door & Window Sensor (DDLA0z). Then paste the DDLA0z one part on the frame of Window, and the other part on the Window. The interval of both parts is no longer than 1 cm. (You can also fasten the DDLA0z by the attached fasteners.)

Step 4. Please turn on the power. When the ZigBee light is blinking, which means the DDLA0z is mapping with alarm (WDG71n). Once the Window is opened, the alarm will start to have the alert sound.

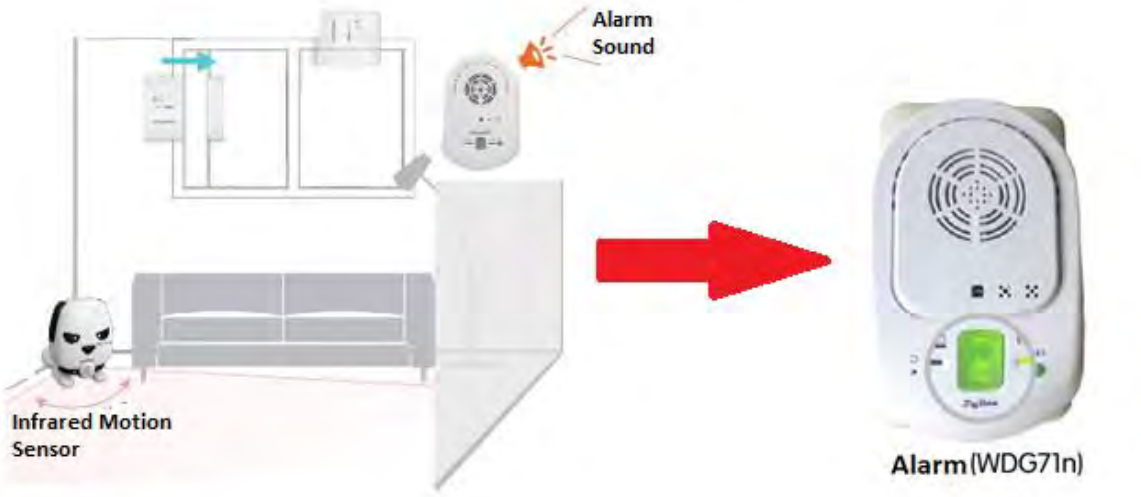
Step 5. Please open the lid of the Cloud Motion Sensor (MDKA0z) and insert 2 x AAA batteries. Before close the lid, switch the power to ON.

Step 6. When the left light (ZigBee) of MDKA0z is blinking, means the MDKA0z is connecting properly with WDG71n.

Step 7. After fastening the MKDA0z on the hallway or gate, it will trigger the alarm (WDG71n) if someone approaches the MDKA0z.



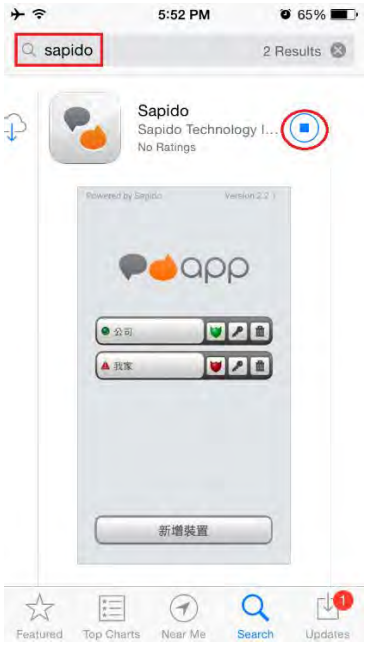
Step 8. Open the window, which has installed with Window & Door Sensor (DDLA0z) to trigger the alarm (WDG71n). Please press the ZigBee button to turn off the alarm manually on Security Alarm (WDG71n).



2. APP Download and Network Setup (iOS system)

Step 1. Please go to APP Store to download Sapido APP.

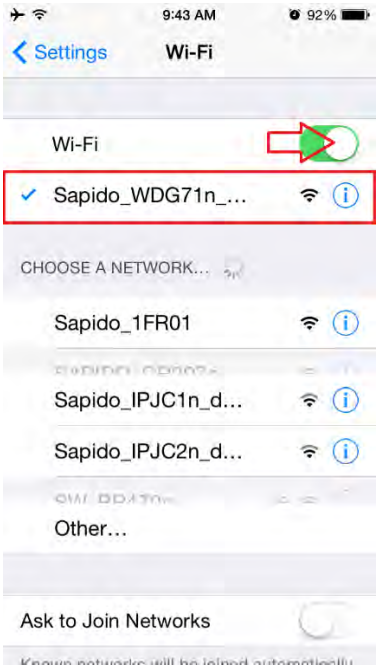
Step 2. Please click and search by the key word <Sapido>. Click <Free> → <Install>.



Step 3. After installing Sapido APP, it will create a shortcut automatically on the main page of your iPhone.

Step 4. Please open the <Settings> function on your iPhone.

Step 5. Please turn on and search for WiFi network from the alarm (WDG71n).

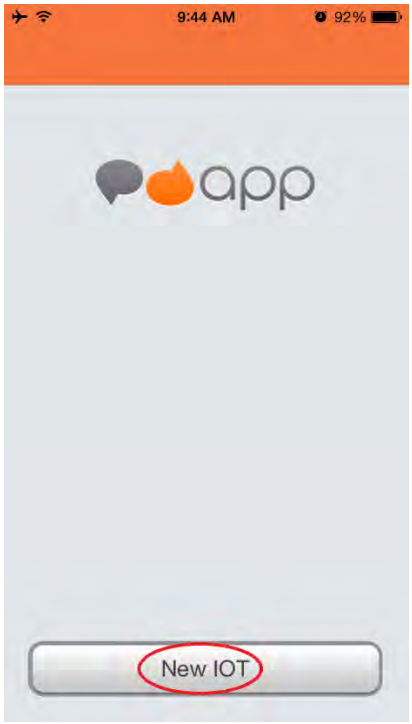


Step 6. It will pop-out the log in page, please check the alarm (WDG71n) network function first and do not set-up the network at this time. Select “Cancel” and “Use Without Internet”.

Step 7. Connect to Sapido WDG71n WiFi network.

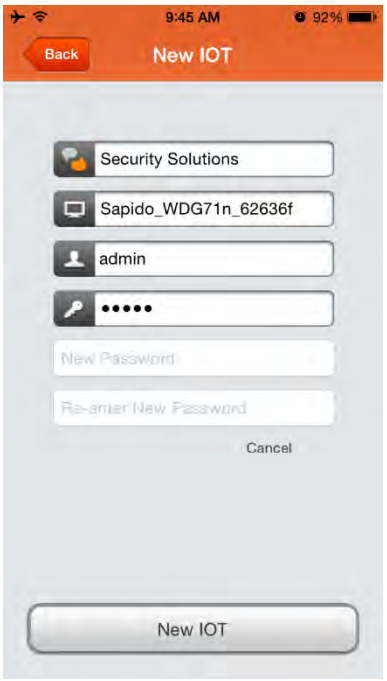
Step 8. Back to the main page and enter Sapido APP.

Step 9. Click <New IOT>



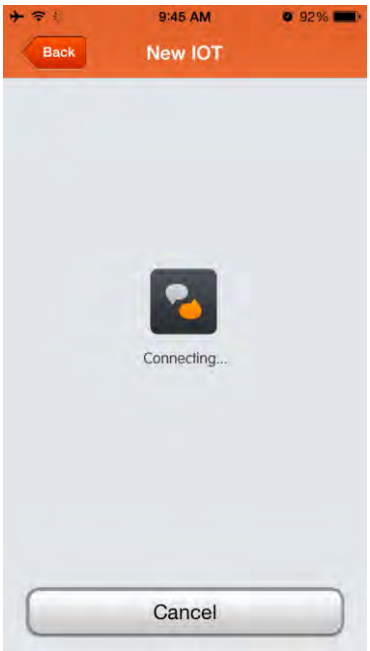
Step 10. Sapido APP will show the network device name and user name. All you have to do is to give a name for the network domain in blank and enter the default password “admin” in blank.

In order to protect your network domain security, please click <Change Password> and enter the new password. Then, click <New IOT> to finish the process. Now you have to enter your new password to access the domain security

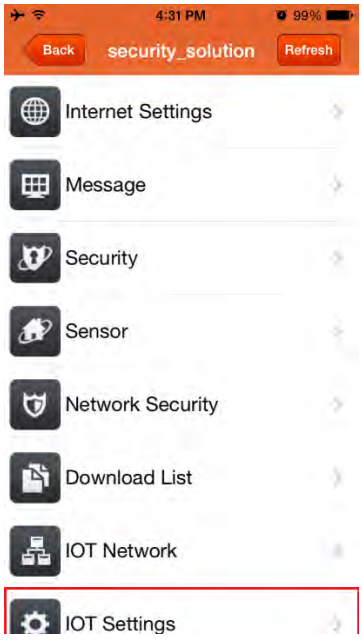


	IOT name of Security	You can give your IoT Name in the blank.
	Device Name	The Device name will show up automatically, doesn't need to change.
	User name of Domain	The account will show up automatically, doesn't need to change
	Password of Domain	Need to enter the default password “admin”
Change Password	The Options of Changing Password	You can change the password for your domain

Step 11. Connecting…



Step 12. Click <IOT Settings>.



Step 13. Entered the IOT Settings, you can see the security devices are built-up. (as below)

WDG71n

DDLA0z

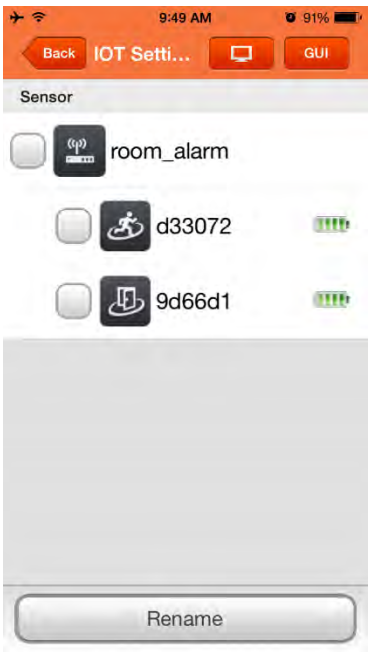
MDK0z

shows the battery status

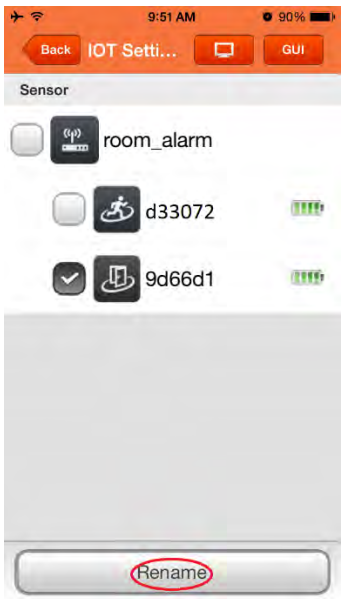
Step 14. You can rename the name of device in IOT Settings. Please select the alarm (WDG71n) first, then click <Rename>

Step 15. After entering the new name, please click <Apply>, then it will show the new name.

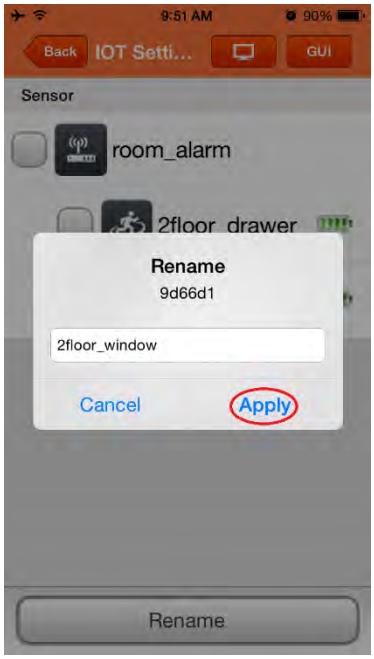
Step 16. The alarm (WDG71n) had been changed to the new name.



Step 17. To rename the Cloud Door & Window Sensor: Choose the Cloud Door & Window Sensor (DDLA0z_xxx) in IOT Settings first, then click <Rename>.



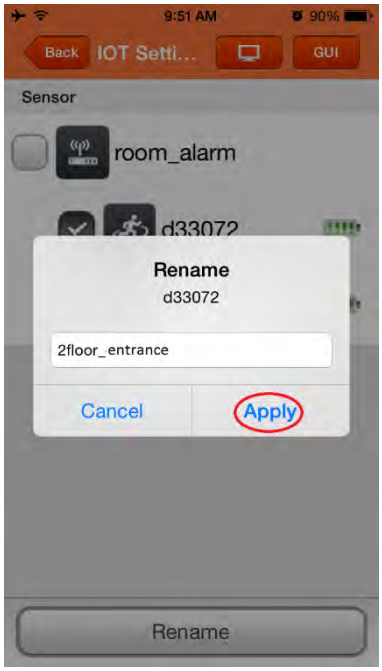
Step 18. After entering the new name, please click <Apply>, then it will show the new name.



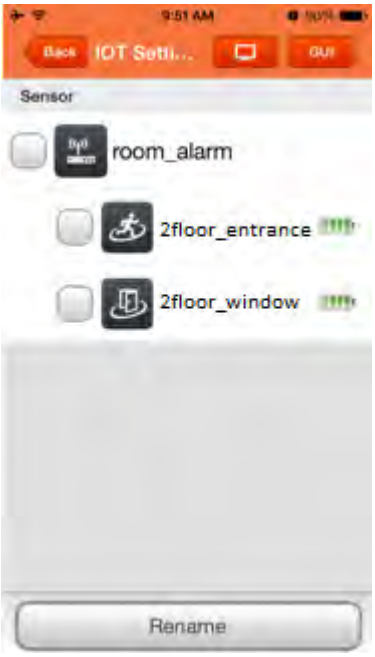
Step 19. The Cloud Door & Window Sensor (DDLA0z_xxx) had been changed to the new name.

Step 20. To rename the Cloud Motion Sensor: Choose the Cloud Motion Sensor (DDLA0z_xxx) in IOT Settings first, then click <Rename>.

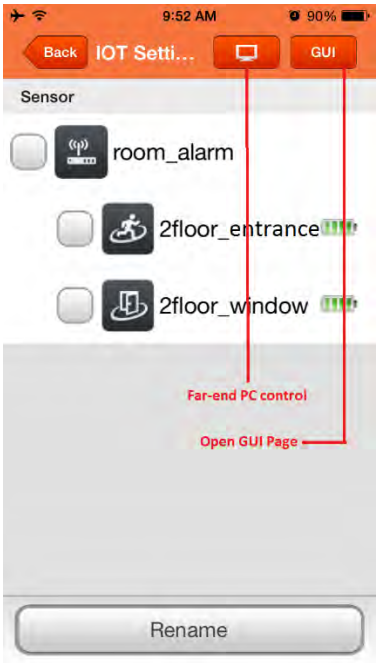
Step 21. After entering the new name, please click <Apply>, then it will show the new name.



Step 22. The Cloud Motion Sensor had been changed to the new name.



Step 23. After rename the Motion Sensor, you can click to Remote PC, and click GUI to access GUI interface. Click Back to the log in page.



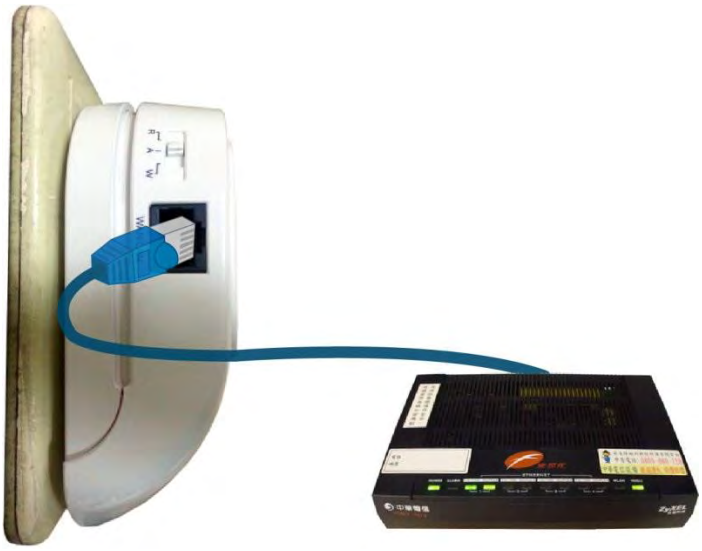
Step 24. Please turn on WiFi to connect the alarm (WDG71n) to control the security system.

	Security System Arm	Once you are sleeping or go out, please set the shield as green, which represents the security system is working.
	Alarm Triggered	When the security system was triggered, the shield will turn red. Click the shield from red to green to turn off the alert sound and stay security mode.
	Security System Disarm	To click the shield to turn gray represents turn off the security system.

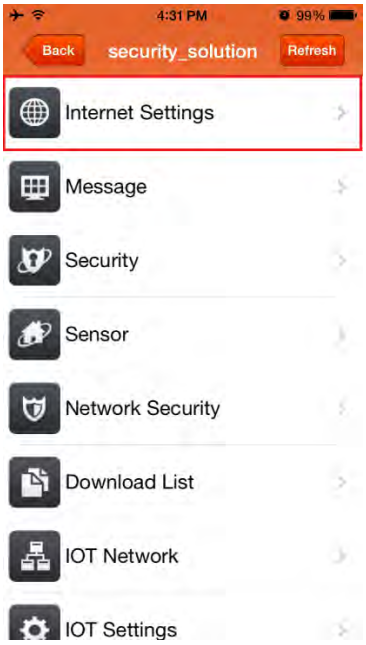
3. Internet Setting

Make sure the network environment stable for any of your smartphone and handheld devices using first, this step will let you receive emergency messages successfully while you go out. Follow the security system set-up steps as below:

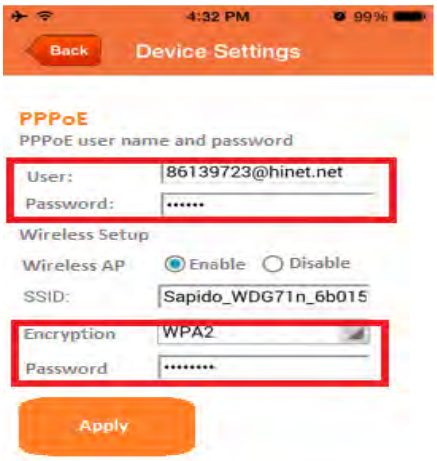
Step 1. Connect the Ethernet cable to WDG71n's WAN/LAN port, and switch to R mode while Ethernet cable is connecting to the xDSL modem and WDG71 (modem mode).



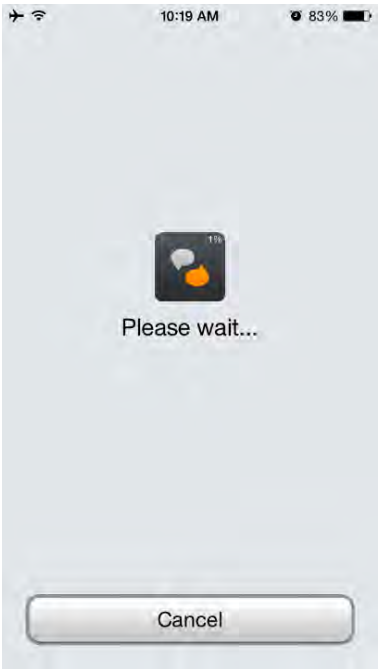
Step 2. Login Sapido APP and click <Internet Settings>, it will automatically detect the WAN type.



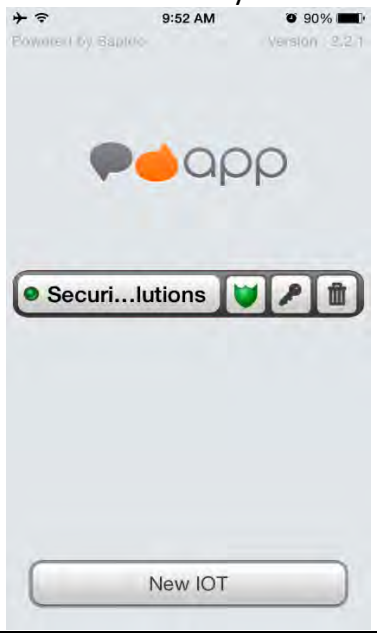
Step 3. For example, if your internet source is from xDSL will direct to PPPoE Setting. Please enter the user name and password by ISP and choose WPA2 security mode (at least 8 letters/numbers). Then click <Apply> to complete the internet settings. (Please remember your WiFi password)



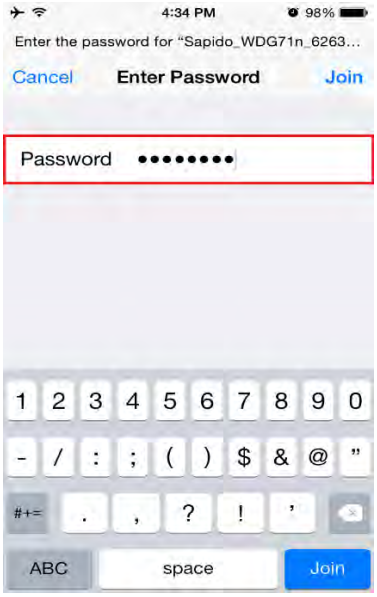
Step 4. Please wait for the setup operation. Do not turn off or return.



Step 5. After setting up, it will pop up on the main page of domain. You can access the domain if you are under the 3G network services. Meanwhile, you are confirmed the remote connection actively.



Step 6. If your smart phone didn't have 3G network services, please turn on Wi-Fi of your smartphone and choose the network from WDG71n. Enter the password that setup by step 3, then your smart phone has been connected to the alarm (WDG71n).



Step 7. Back to the Sapido APP again, you will see the new name of domain that you just setup.

Step 8. The instruction of the symbols from the main page.

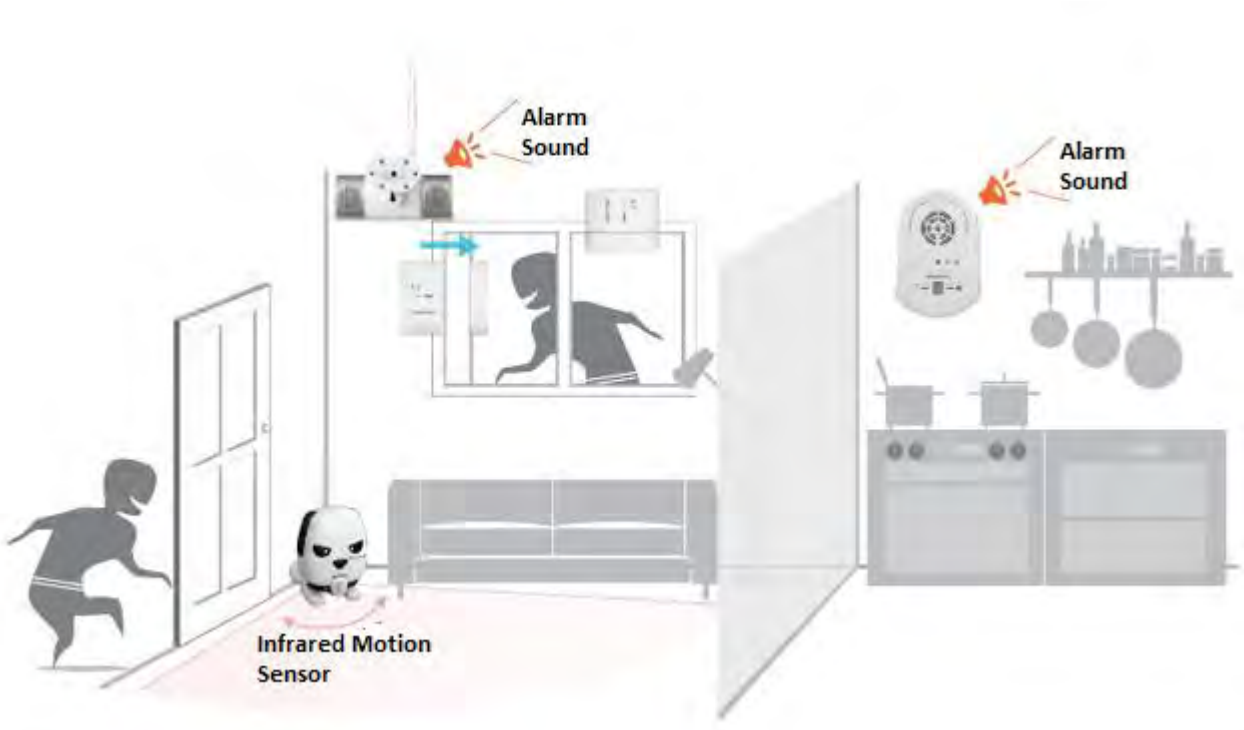
Guide-light	Light	Statue Instruction
1. The lights of device of the domain		Green- Domain and network is connected.
		Gray- Domain and network is disconnected
		Red- Event alert
2. The light symbols of the Cloud Security		Green- Security System Arm.
		Gray- Security System Disarm.
		Red- Alarm is triggered.
		Empty- No Security System installed or Offline
3. Change the password Key		To change the password of domain.
4. Trash Can Symbol		To delete the domain.

Congratulations!!! The Internet Setting of Cloud Security Alarm (WDG71n) is completed. Please enter the Security System to utilize the functions.

4. Security System Application

Once someone open the door and Windows when you're not home, or the Cloud Motion Sensor detects any unusual situation, your smartphone will receive an alert message, the alarm at home will make sound at the same time as well. In addition, you can control the situation by self via Sapido APP. Click the push notification to enter the APP main page, you will see the shield is red, and the event alert will show up in front of the network name. Meanwhile, you can enter the Message to obtain the detail of event (Ex: 2nd Floor Window is opened), and turn off the alert ，at the same time. When everything settle down, turn off the alarm and the security system is still working. The shield on the main page will stay green.

※ Press ZigBee button to directly turn off the alarm if you are at home.

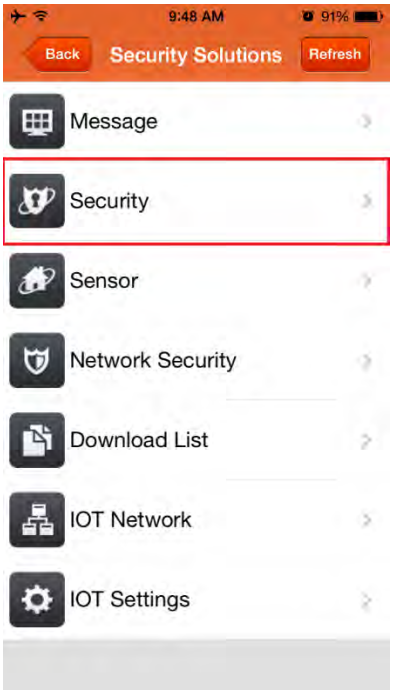


4.1 Door & Window Sensor (DDLA0z)

Door & Window Sensor has preinstalled the setting of “push notification” and “alert” already. Once it detects abnormal situation, the alarm system will be activated.

● Default of Door & Window Sensor

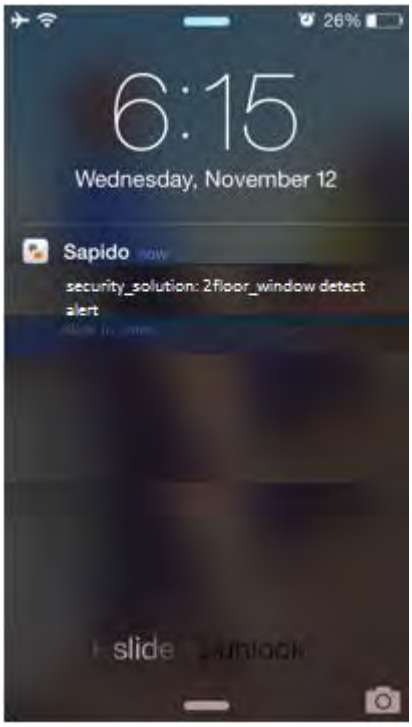
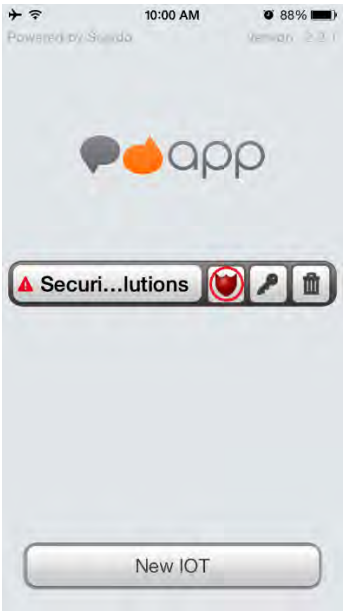
Step 1. Click <Security>



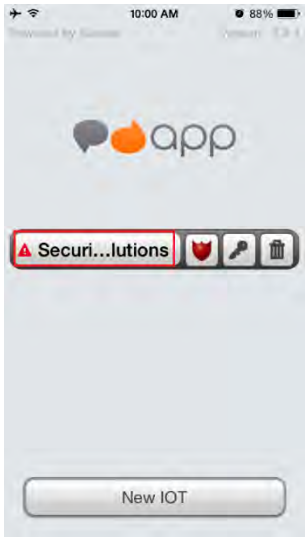
Step 2. Click <Door & Window Sensor>.

Step 3. Select your specific Door & Window Sensor.

Step 4. You can see the “message” and “alert” are selected already, means that WDG71n will sent you an alert message and make alert at the same time.

<table>
<tr><td colspan="3">There are three ways to turn off the alarm when it detects the door or windows are opend. Follow the steps as below.</td></tr>
<tr><td>The 1st method to turn off the alarm</td><td colspan="2">The 2nd method to turn off the alarm</td></tr>
<tr><td>If the alarm is triggered and you are at home, you can press the ZigBee button of the alarm (WDG71n) to mute the alarm.
 </td><td>Step 1. You will receive the push notification as the photo below. Please click the push notification and enter to the security system in APP.
  </td><td>Step 2. You will see the event alert, and the shield will turn red. To mute the alarm, just click the shield to return to green.
  </td></tr>
</table>

<table>
<tr><td>The 2nd method to turn off the alarm</td><td colspan="2">The 3rd method to turn off the alarm</td></tr>
<tr><td>Step 3. Click <Message> to understand the situation immediately. It will show the event list included the event date and time. To understand more about event's detail, please select the “event”.

</td><td>Step 1. The event list is sorted by date and time. If you enter the “event” to view the details while the shield is red. Please select the “event” again to view the page with more detail.
 
</td><td>Step 2. The event list is sorted by date and time. You can turn off the alert when you reenter the “event” again to view the page with more detail.

</td></tr>
<tr><td>Step 3. Click the silence sign to mute the alarm.

</td><td colspan="2">Step 4. After disarming, the shield will turn back to green .
Also, the event alert will turn to the green dote , which means that the alert is turn off but the security keep working.

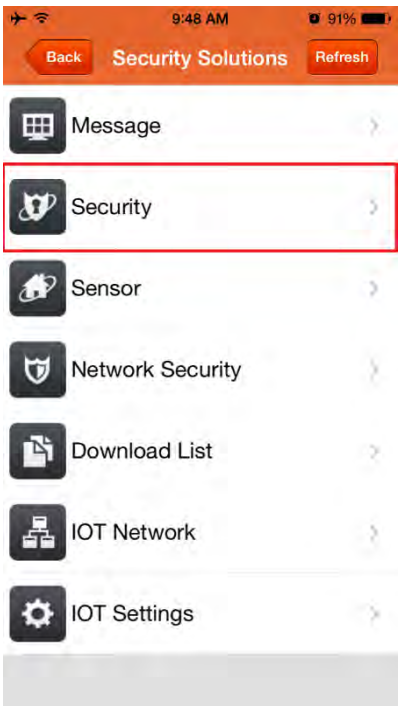
</td></tr>
</table>

4.2 Cloud Motion Sensor (MDKA0z)

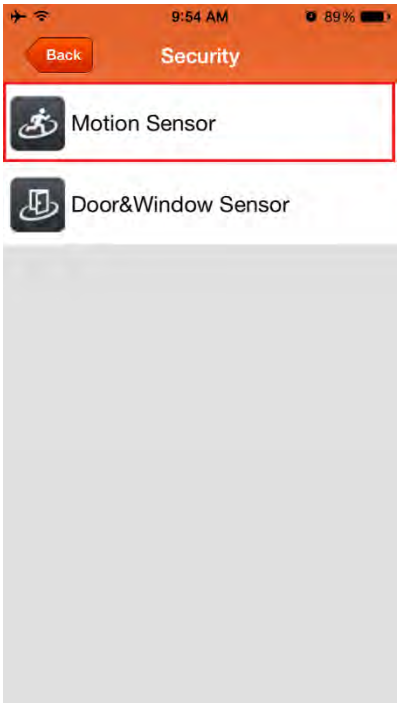
Cloud Motion Sensor (MDKA0z) has preinstalled the setting of “push notification” and “alert” already. Once it detects abnormal situation, the alarm system will be activated.

● Default of Cloud Motion Sensor (MDKA0z)

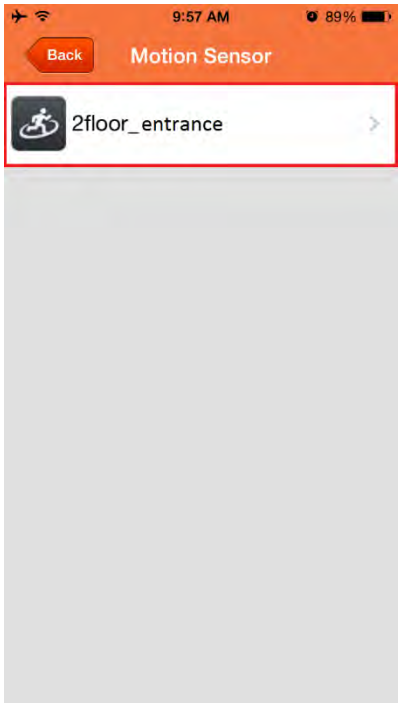
Step 1. Click <Security>



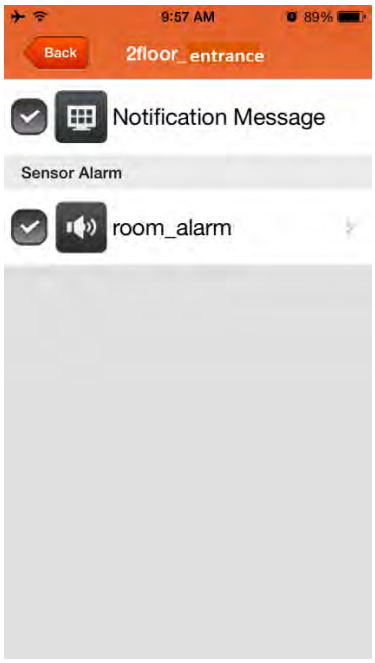
Step 2. Click <Motion Sensor>



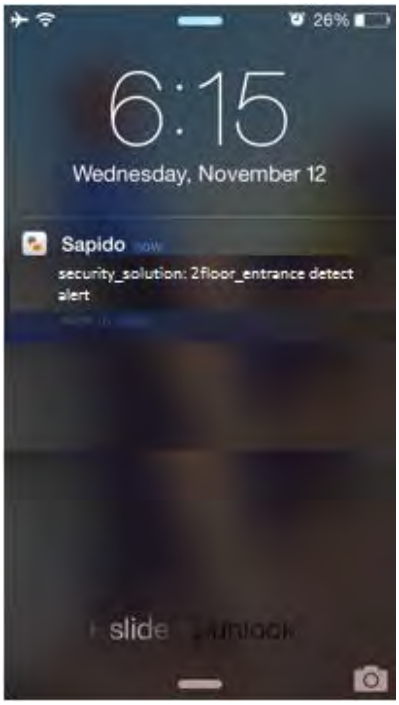
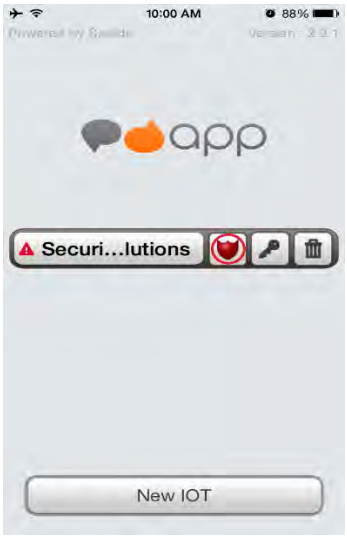
Step 3. Select your specific Cloud Motion Sensor

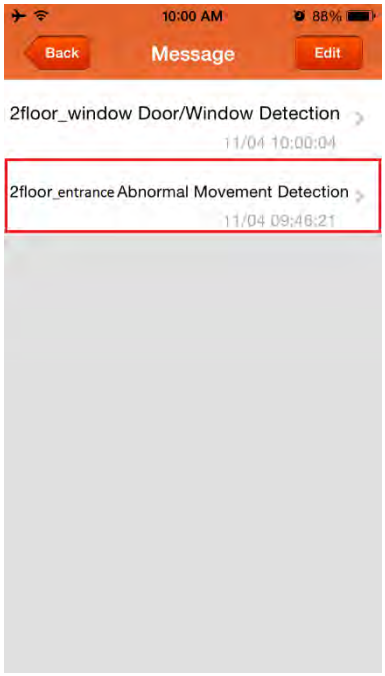


Step 4. You can see the “message” and “alert” are selected already, means that WDG71n will send you an alert message and make alert at the same time.



There are three ways to mute the alarm when the Cloud Motion Sensor (MDKA0z) triggers alarm.

The 1st method to turn off the alarm	The 2nd method to turn off the alarm	
If the alarm is triggered and you are at home, you can press the ZigBee button of the alarm (WDG71n) to mute the alarm.	Step 1. You will receive the push notification as the photo below. Please click the push notification and enter to the security system in APP. 	Step 2. You will see the event alert, and the shield will turn red. To mute the alarm, just click the shield to return to green. 

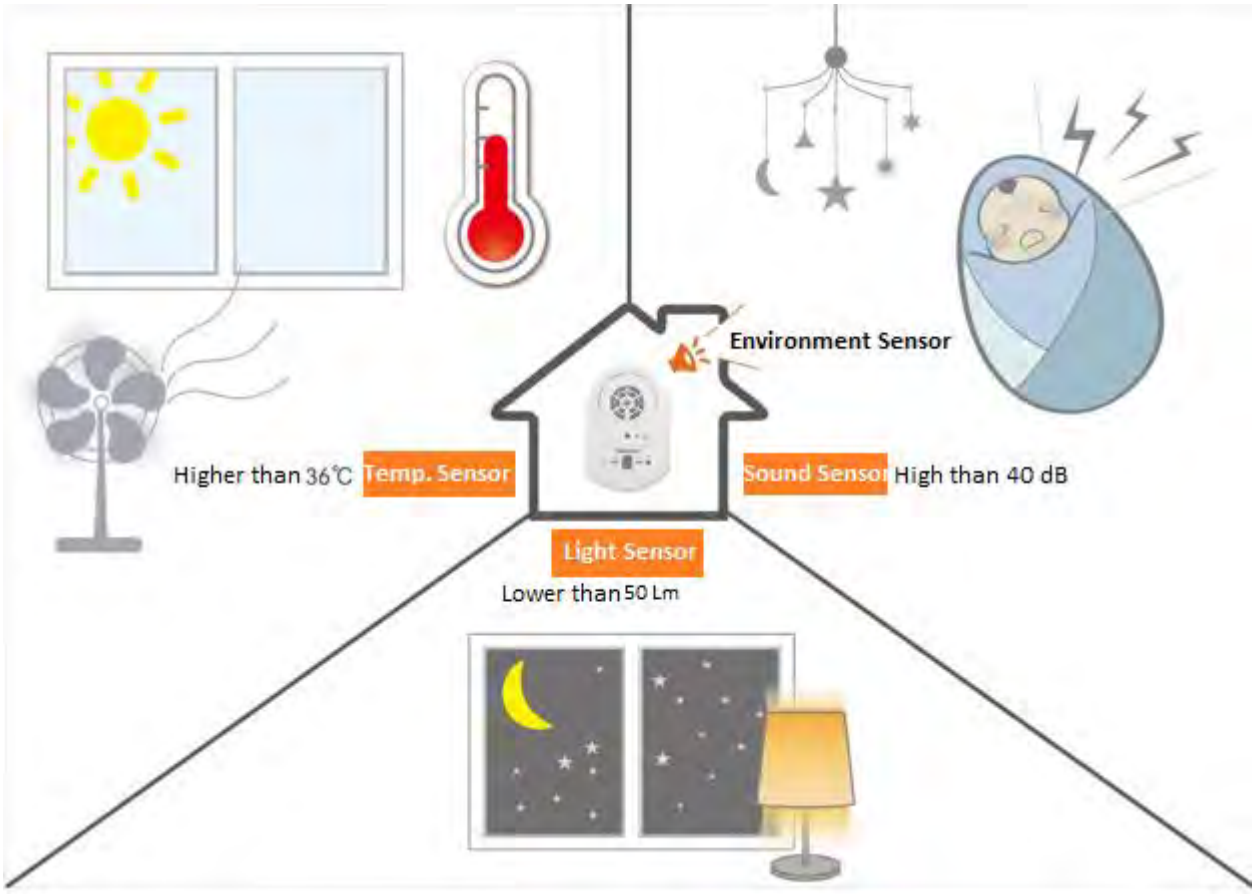
<table>
<tr><td>The 2nd method to turn off the alarm</td><td colspan="2">The 3rd method to turn off the alarm</td></tr>
<tr><td>Step 3. Click <Message> to understand the situation immediately. It will show the event list included the event date and time. To understand more about event's detail, please select the “event”.
</td><td>Step 1. The event list is sorted by date and time. If you enter the “event” to view the details while the shield is red. Please select the “event” again to view the page with more detail.
</td><td>Step 2. The event list is sorted by date and time. You can turn off the alert when you reenter the “event” again to view the page with more detail.
 
</td></tr>
<tr><td>Step 3. Click the silence sign to mute the alarm.
</td><td colspan="2">Step 4. After disarming, the shield will turn back to green. Also, the event alert will turn to the green dote, which means that the alert is turn off but the security keep working.
</td></tr>
</table>

5. Instruction of Security Alarm Router (WDG71n)

WDG71n is not only an alarm but also a sensor that can detects intensity of the environmental factors such as sound, temperature, and light. It is suggested to place the alarm sensor in an area with an open space. For example, kitchen and living room.

The sensor will alarm if it detects an abnormal movement in the level of sound, temperature, and light at home. At the same time, the Security Alarm Router WDG71n will send you an alert message to tell you the emergency immediately. In addition, you can control the situation by self via Sapido APP. Click the push notification to enter the APP main page, you will see the shield is red, and the event alert will show up in front of the network name. Meanwhile, you can enter the Cloud Message to obtain the detail of event (Ex: Unusual temperature in kitchen), and turn off the alert at the same time. When everything settle down, the alarm will turn off and the security system is still working. The shield on the main page will stay green.

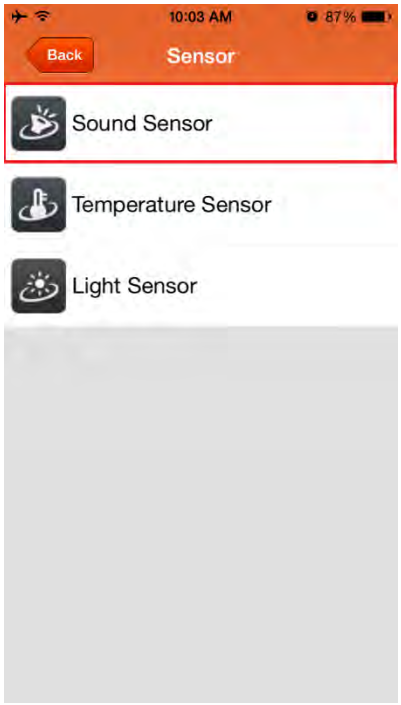
※ If you are at home, you can press the ZigBee button on the alarm (WDG71) to turn off the alarm.



5.1 Sound Sensor

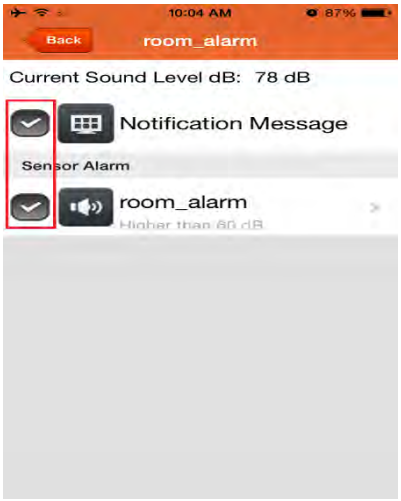
Step 1. You can adjust the alarm sound level based on the level of Decibels (dB) in <Sensor> section.

Step 2. Click <Sound Sensor>

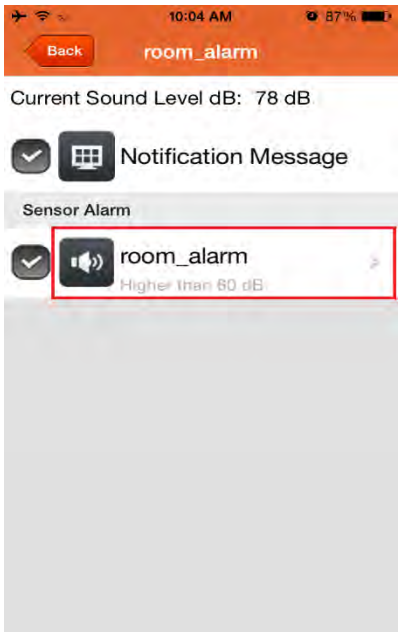


Step 3. Current alarm detected volume (dB) level will show on the right of the Sound Sensor page.

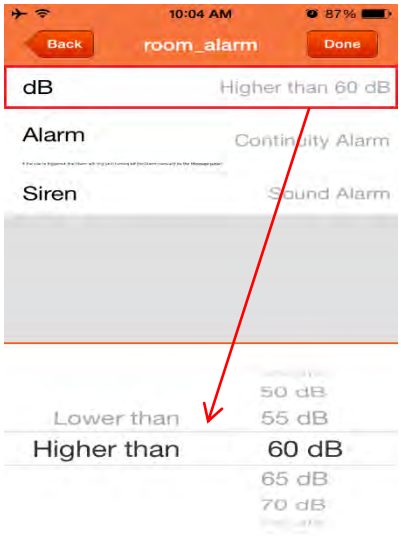
Step 4. When it detects the abnormal sound in the space, you will receive an alert message on your phone. Meanwhile, the alarm system will activate. Please choose <Notification Message> and <Sensor Alarm>.



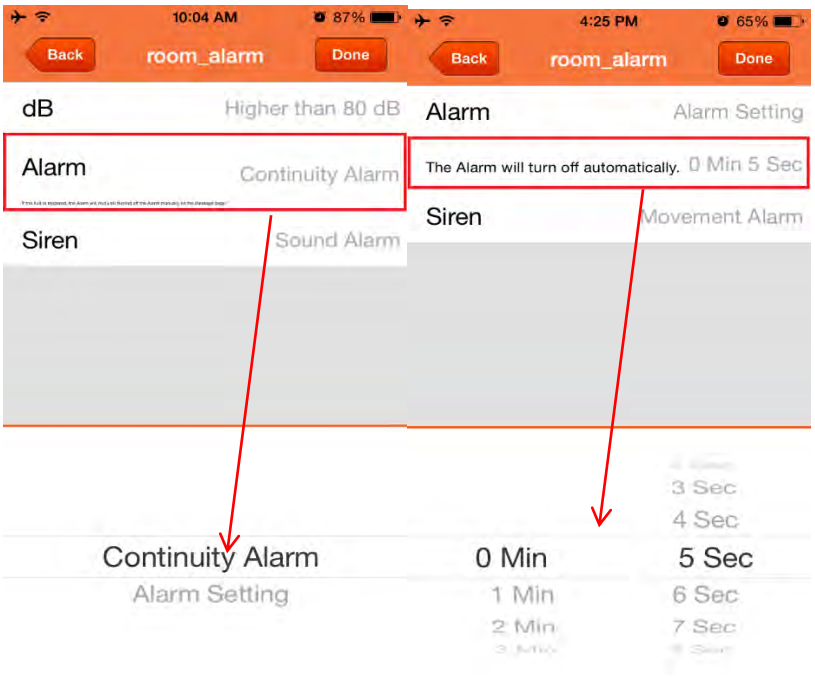
Step 5. For setting up the condition of the alarm trigger, please Sensor Alarm Device (shown below in red frame).



Step 6. There are two different scenarios are provided from the function of "dB" section. You can adjust the sound level between 0dB ~ 110dB. (Increments 5dB a time).

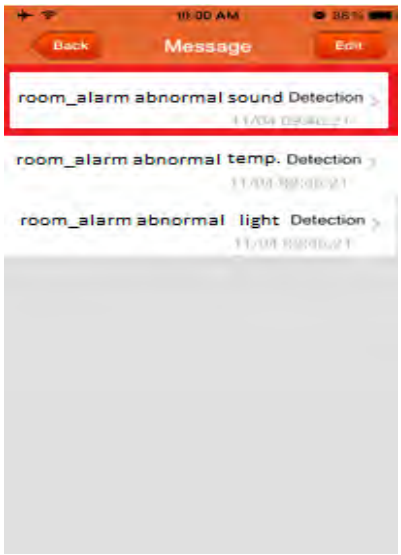


Step 7. The preinstall alarm setting is “continuity alarm”, means that the alarm will touch off when the intensity reaches the level of indoor maximum limit. Sirens will continue beepping until you turn off the alarm manually. If you want to change the setting to **Define Alarm Sounds**, then you can adjust alarm sounding time under any abnormal movement, such as: 1 second, 2 seconds, 5 minutes…etc

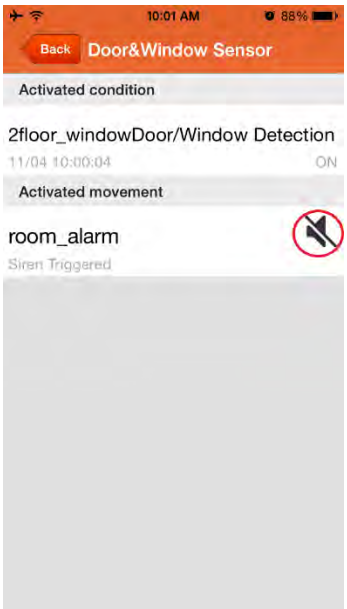


Step 8. There are 5 types of different selectable beep length of "Siren”. When settle down alarm sounds and siren, please press "Done" at the top right of the page to return to the sensing feature page.

● There are two ways to mute the alarm when the alarm (WDG71n) triggers alarm.

The 1st method to turn off the alarm	The 2nd method to turn off the alarm	
If the alarm is triggered and you are at home, you can press the ZigBee button of the alarm (WDG71n) to mute the alarm.	Step 1. Open the Sapido APP, you can enter <Message> to view the situation immediately.	Step 2. The event list is sorted by date and time. If you enter the "event" to view the details while the shield is red. Please select the "event" again to view the page with more detail. 

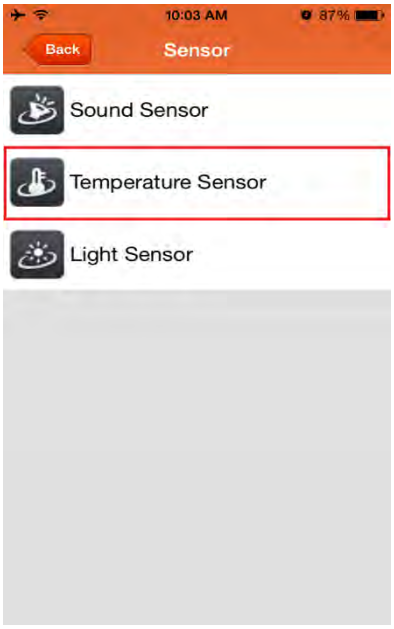
The 2nd method to turn off the alarm

Step 3. Click the silence sign to mute the alarm. 	Step 4. After disarming, the shield will turn back to green. Also, the event alert will turn to the green dote, which means that the alert turned off but the security keep working.

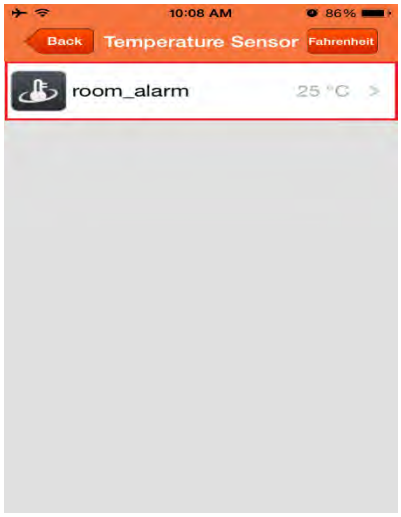
5.2 Temperature Sensor

Step1. Click <Sensor>, you can set up your predetermined temperature level to activate the alarm system.

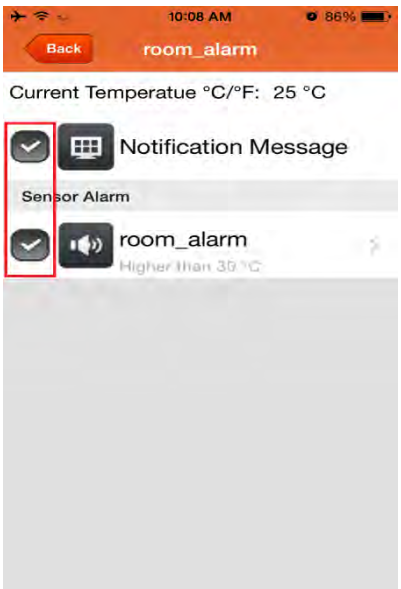
Step2. Click <Temperature Sensor>



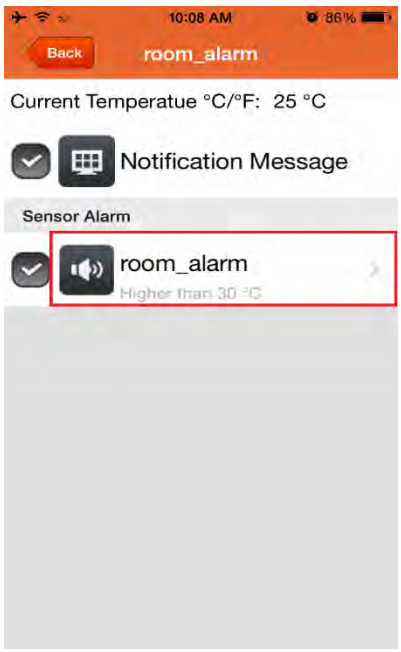
Step3. The page of Temperature Sensor will show the current in room temperature. The preinstall measurement setting is “Celsius”.



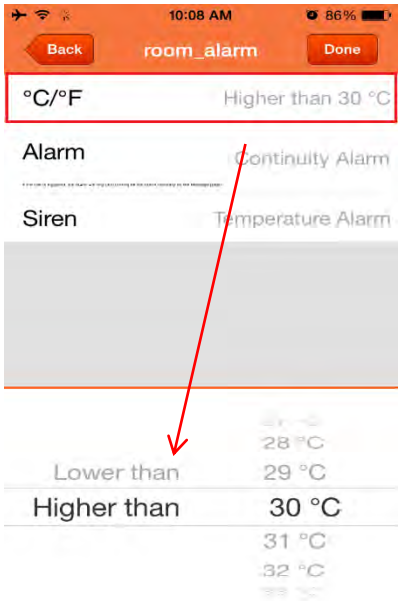
Step4. Select the “Notification Message” and “Sensor Alarm” options, you will receive a push notification on your phone and the alarm will make beeping sound when the temperature is in an abnormal situation.



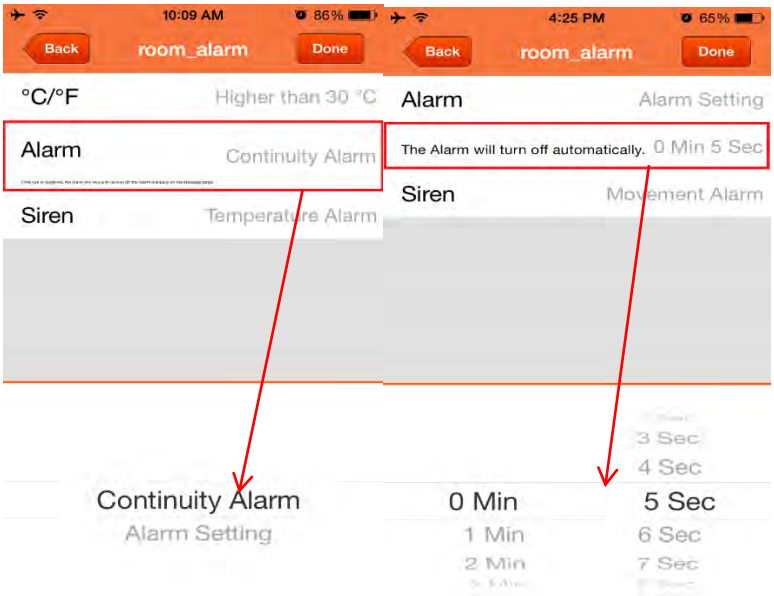
Step 5. For setting up the condition of the alarm trigger by the limit of trigger temperature, please click Sirens Device (shown below in red frame).



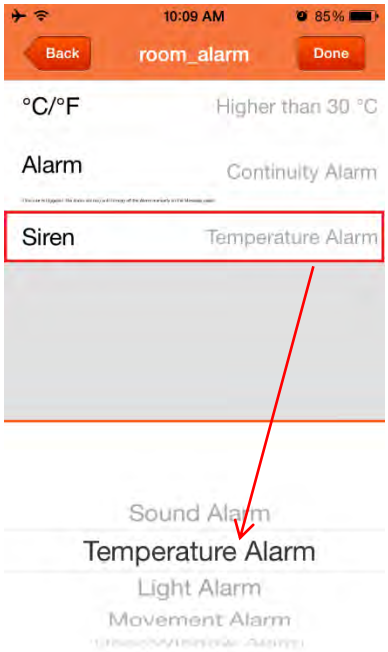
Step 6. There are two different scenarios are provided from the function of "Celsius" section. You can adjust the temperature level between 0 ° C ~ 50 ° C. (increments 1° C a time)



Step 7. The preinstall setting of "Sensor Alarm" is **“**continuity alarm”, means that the alarm will touch off when the intensity reaches the level of indoor maximum limit. Sirens will continue beeping until you turn off the alarm manually. If you want to change the setting to **Define Alarm Sounds**, then you can adjust alarm sounding time under any abnormal movement, such as: 1 second, 2 seconds, 5 minutes … etc.



Step 8. There are 5 types of different selectable beep length of "Siren”. When settle down alarm sounds and siren, please press "Done" at the top right of the page to return to the sensing feature page.



There are two ways to mute the alarm when the Security Alarm Router (WDG71n) triggers alarm.

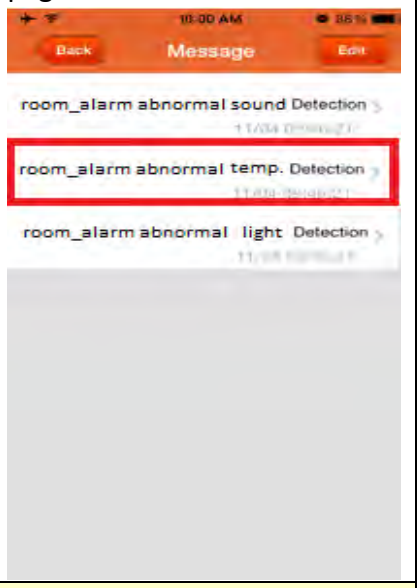
The 1st method to turn off the alarm

If the alarm is triggered and you are at home, you can press the ZigBee button of the alarm (WDG71n) to mute the alarm.

The 2nd method to turn off the alarm

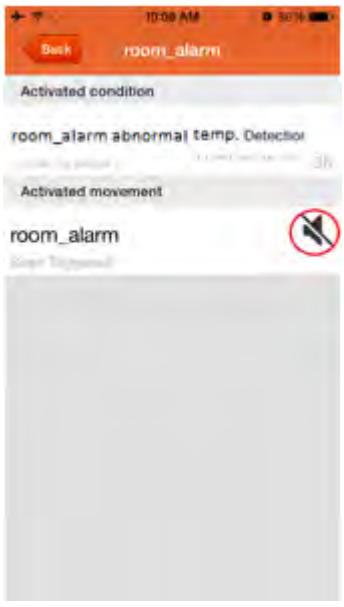
Step 1. Open the Sapido APP, you can enter <Message> to view the situation immediately.

Step 2. The event list is sorted by date and time. You can turn off the alert when you reenter the "Event" again to view the page with more detail.



The 2nd method to turn off the alarm

Step 3. Click the silence sign to mute the alarm.

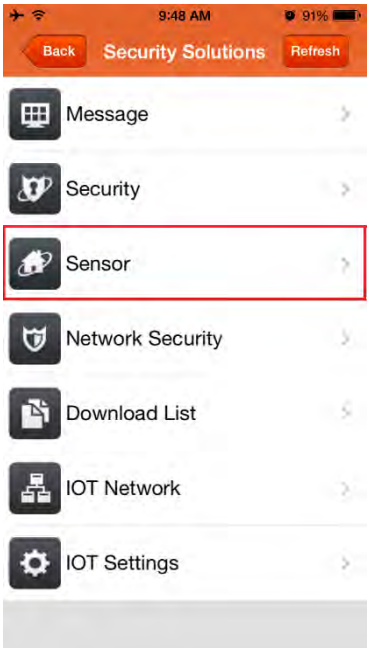


Step 4. After disarming, the shield will turn back to green.

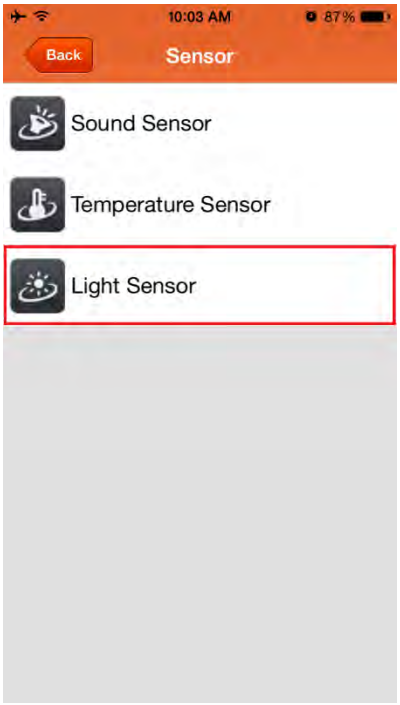
Also, the event alert will turn to the green dote, which means that the alert turned off but the security keep working.

5.3 Light Sensor

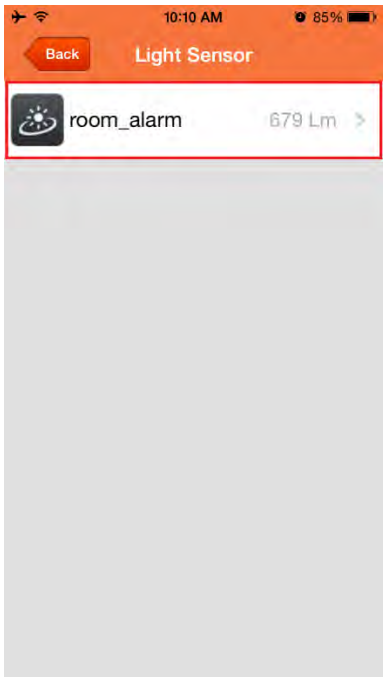
Step1. Click <Light Sensor>, you can set up your predetermined light level to activate the alarm system.



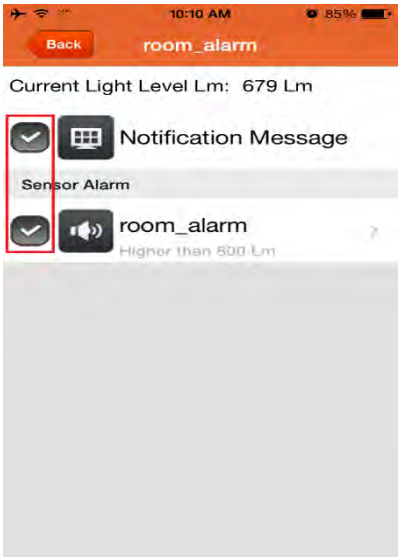
Step2. Click <Light Sensor>



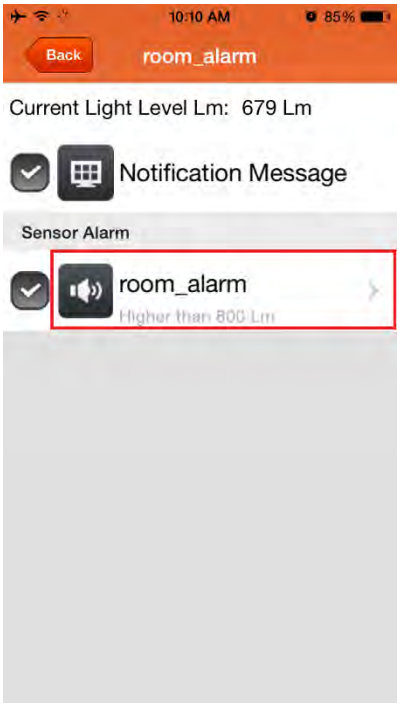
Step3. The page of Light Sensor will show the current in room brightness.



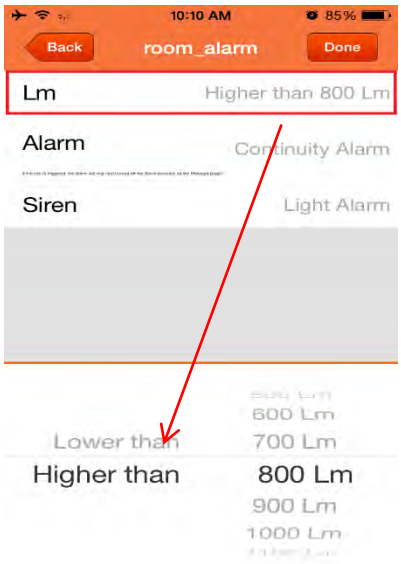
Step4. Select the "Notification Message" and "Sensor Alarm" options, you will receive a push notification on your phone and the alarm will make beeping sound when the light is in an abnormal situation.



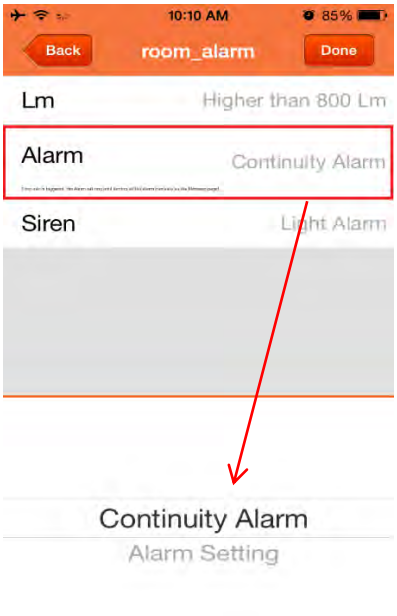
Step 5. For setting up the condition of the alarm trigger, please click Sirens Device (shown below in red frame).

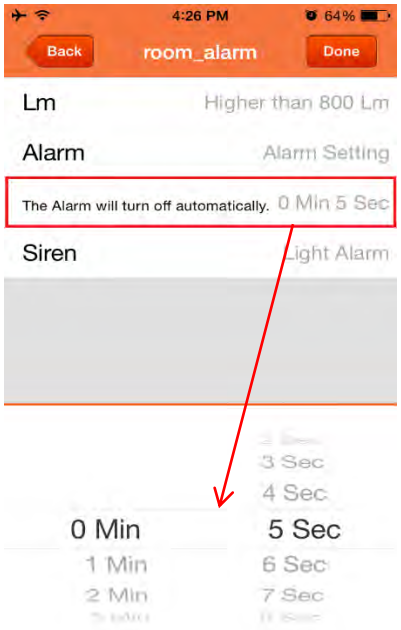


Step 6. There are two different scenarios are provided from high to low for the brightness. You can adjust the brightness level between 0Lm ~ 2000Lm.

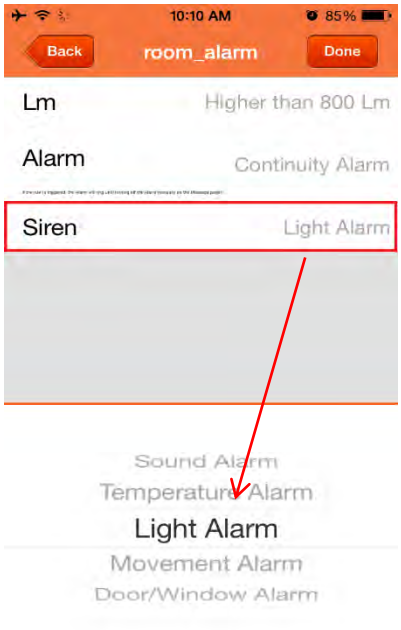


Step 7. The preinstall setting of "Sensor Alarm" is continuity sounds, means that the alarm will touch off when the intensity reaches the level of indoor maximum limit. Sirens will continue beeping until you turn off the alarm manually. If you want to change the setting to **Define Alarm Sounds**, then you can adjust alarm sounding time under any abnormal movement, such as: 1 second, 2 seconds, 5 minutes … etc.

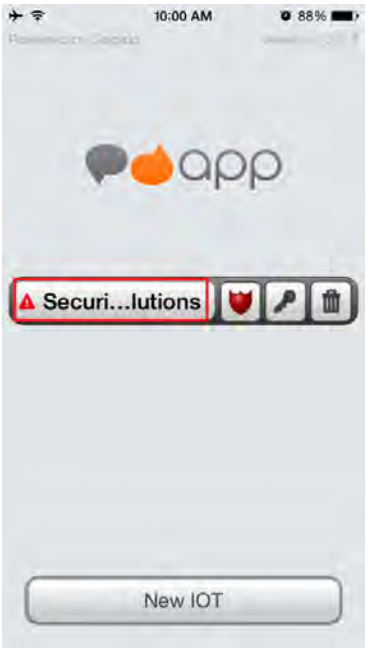
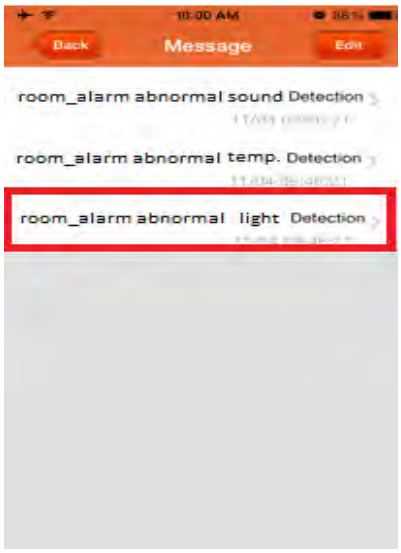


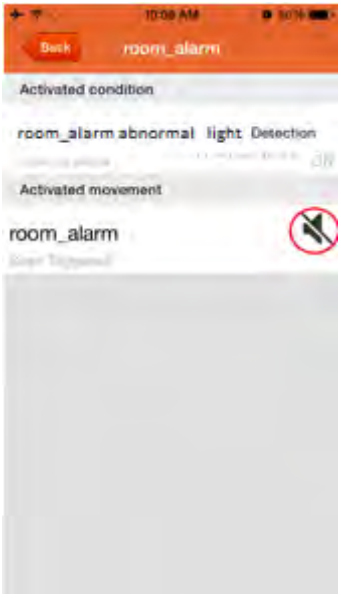


Step 8. There are 5 types of different selectable beep length of "Siren". When settle down alarm sounds and sirens, please press "Done" at the top right of the page to return to the sensing feature page.



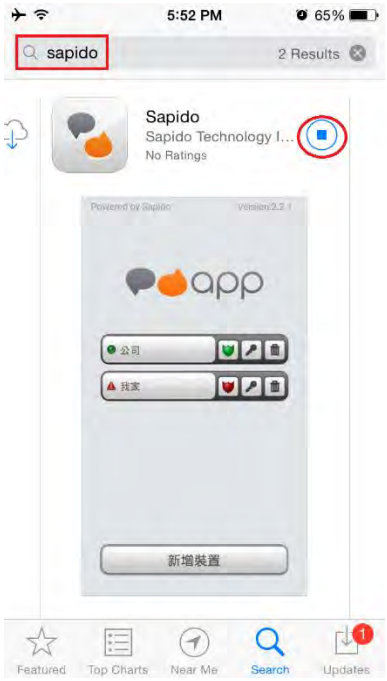
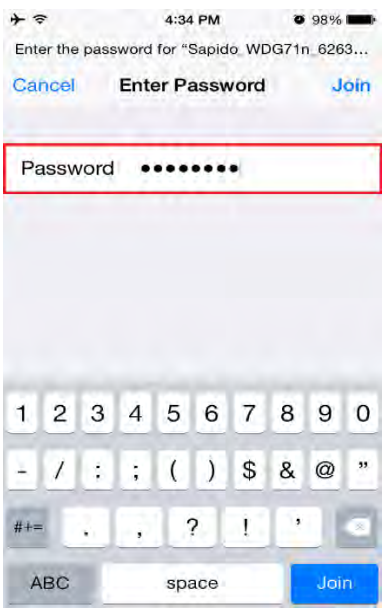
There are two ways to mute the alarm when the Security Alarm Router (WDG71n) triggers alarm.

The 1st method to turn off the alarm	The 2nd method to turn off the alarm	
If the alarm is triggered and you are at home, you can press the ZigBee button of the alarm (WDG71n) to mute the alarm. 	Step 1. Open the Sapido APP, you can press <Message> to view the situation immediately. 	Step 2. The event list is sorted by date and time. You can turn off the alert when you reenter the "Event" again to view the page with more detail. 

The 2nd method to turn off the alarm	The 3nd method to turn off the alarm
Step 3. Click the silence sign to mute the alarm. 	Step 4. After disarming, the shield will turn back to green. Also, the event alert will turn to the green dote, which means that the alert turned off but the security keep working.

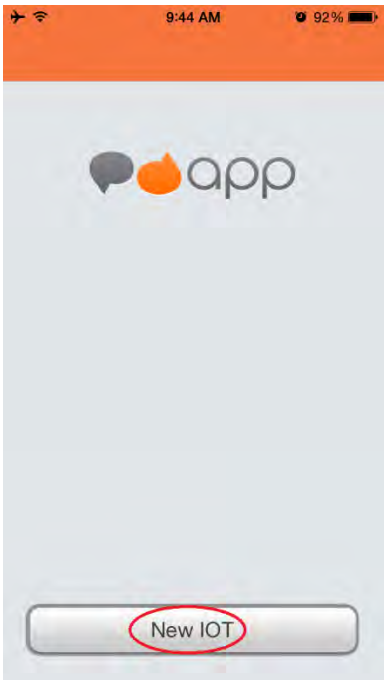
6. How to add Family Users to the security kit

6.1 Advice: When the family user's handheld device is around the same place as security kit

Step 1. Please go to APP Store to download Sapido APP. 	Step 2. Please click and search by the key word <Sapido>. Click <Free> → <Install>. 	Step 3. After installing Sapido APP, it will create a shortcut automatically on the main page of your iPhone.
Step 4. Please open the <Settings> function on your iPhone. 	Step 5. Please turn on and search for WiFi network from the alarm (WDG71n). 	Step 6. Enter the password of alarm's (WDG71n) network that you have set up. 

Step 7. Open the Sapido APP

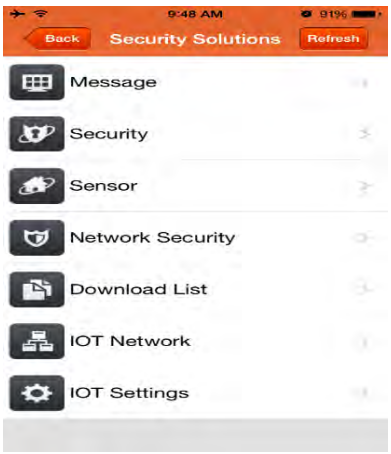
Step 8. Click <New IOT>



Step 9. Sapido APP will show the network device name and preinstall user name. All you have to do is to rename for the network domain in blank and enter the preinstall password admin in blank. In order to protect your network domain security, please click <Change Password> and enter the new password. Then, click <New IOT> to finish the process. Now you have to enter your new password to access the domain security.

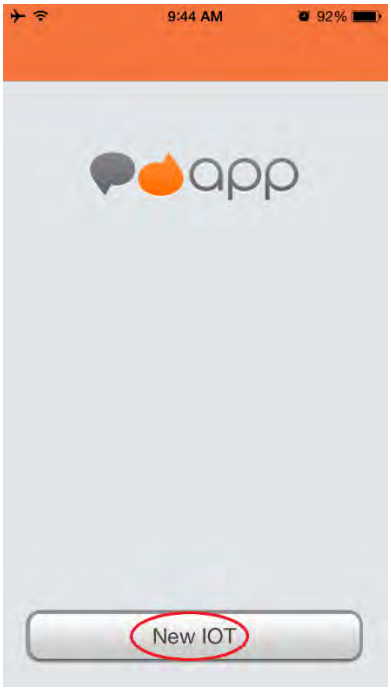
Step 10. The network is under connecting, please wait...

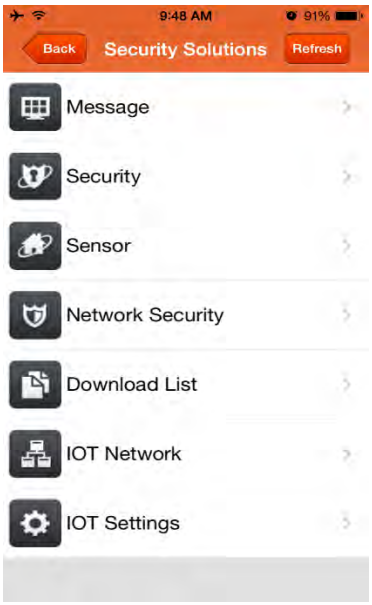
Step 11. Log in successfully, you can see the security system is built-up. (as below) You can control the security system and receive the push notification everywhere as long as your phone connected internet.



Step 12. Click <Back> to the APP log in page, and you will see the automatically setting network nickname.

6.2 When the family user's handheld device is not around the same place as security kit

Step 1. Once the mobile device and the security kit (WDG71n) are at the different places, please connect the internet and search, then download Sapido APP. Open the Sapido APP 	Step 2. Click <New IOT> 	Step 3. Device Name: The Device name will show up automatically, doesn't need to change. User name of Domain: The account will show up automatically, doesn't need to change Password of Domain: Need to enter the default password "admin"

Step 4. The network is under connecting, please wait...	Step 5. Log in successfully, you can see the security system is built-up	Step 6. Back to the APP home page, you will see the automatically setting network nickname.
		

7. Advanced Settings of Security System

Sirens will continue beeping until you turn off the alarm manually. If you want to change the setting to **Define Alarm Sounds**, then you can adjust alarm sounding time under any abnormal movement, such as: 1 second, 2 seconds, 5 minutes ... etc.

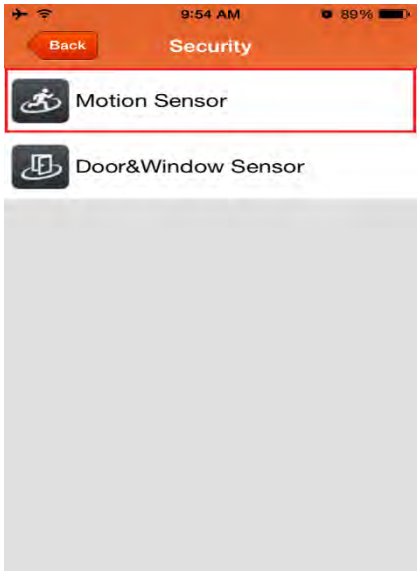
7.1 How to mute the alarm and the message notification

The security system has preinstalled setting with "Sensor Alarm" and “Notification Message”. Below are the steps of how to cancel those functions.

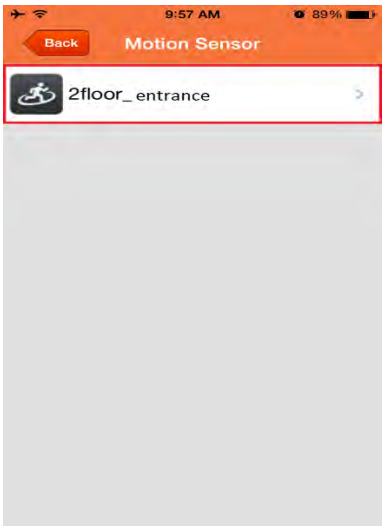
7.1.1 ZigBee Infrared Motion Sensor (MDKA0z)

Step 1. Click <Security>

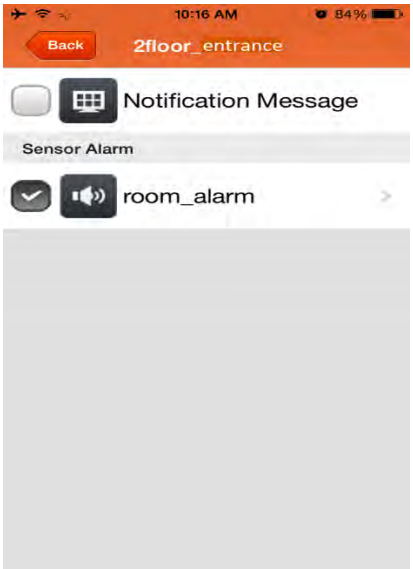
Step 2. Click <Motion Sensor>



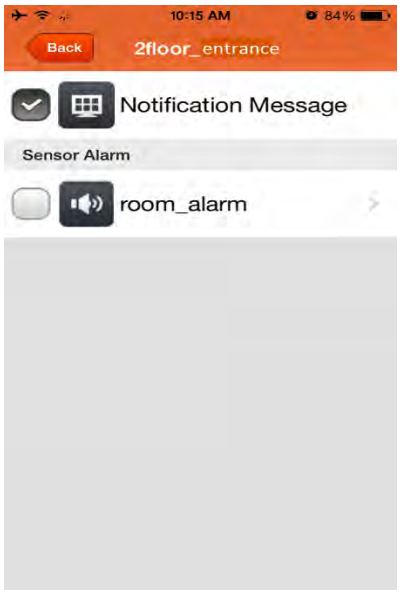
Step 3. Enter the alarm system to the setting page.



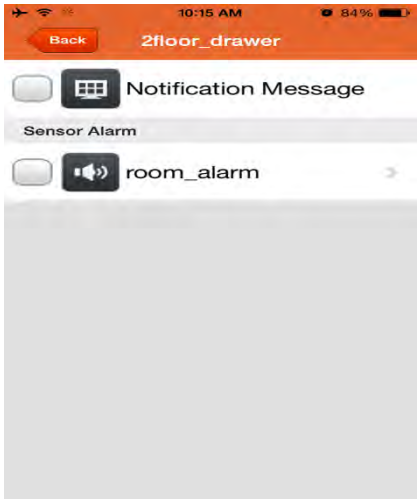
Step 4. Cancel the <Notification Message>: Once detected someone's movement, you will not receive the push notification but alarm keep working.



Step 5. Cancel the <Sensor Alarm>: Once detected someone's movement, alarm will not make the beeping sound but you will receive the push notification.

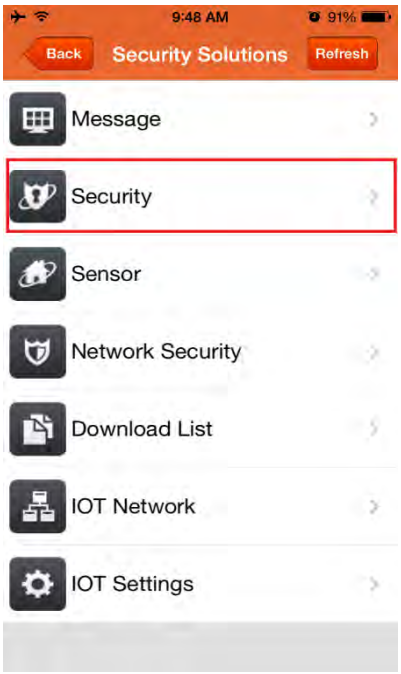


Step 6. Cancel both <Notification Message> & <Sensor Alarm>: Once detected someone's movement, you will not receive any message notification and the alarm will not make the sound either.

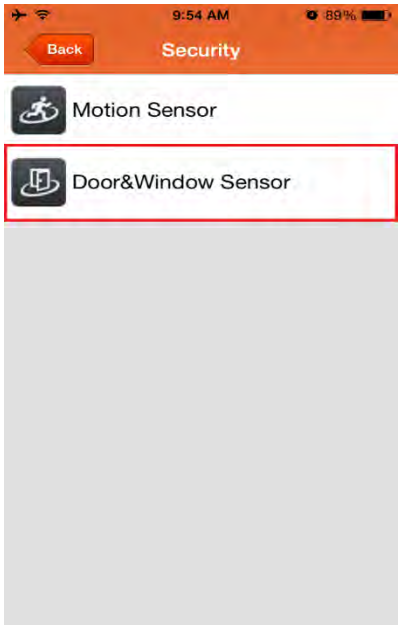


7.1.2 ZigBee Door & Window Sensor (DDLA0z)

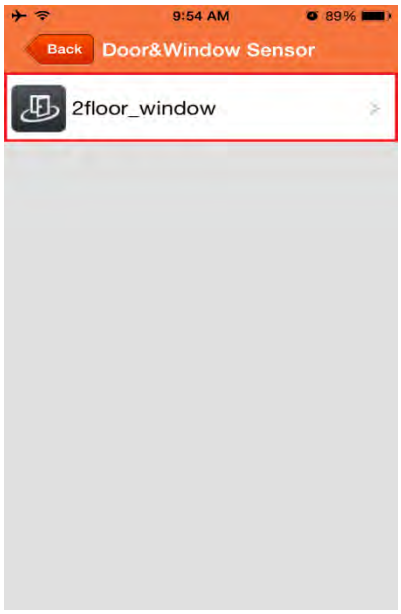
Step 1. Click <Security>



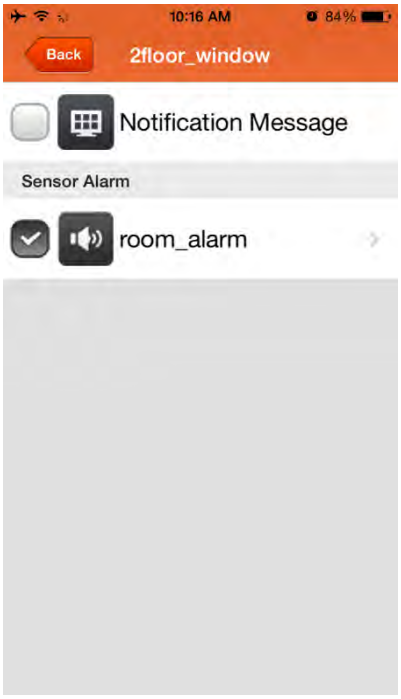
Step 2. Click <Door & Window Sensor>



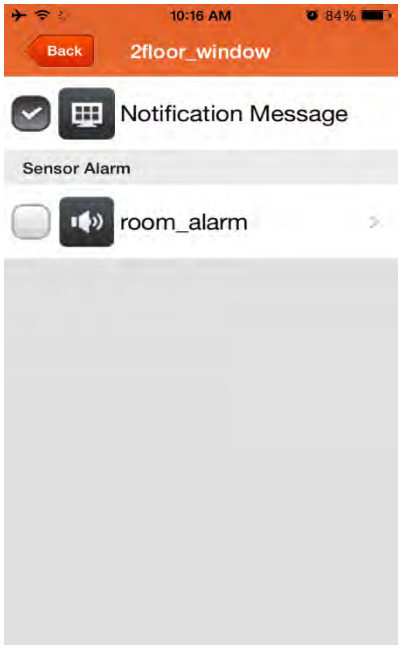
Step 3. Enter the alarm system to the setting page.



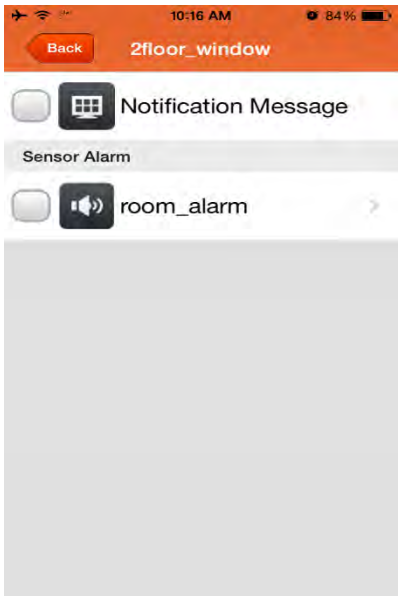
Step 4. Cancel the <Notification Message>: Once detected the door is opened, you will not receive the push notification but alarm keep working.



Step 5. Cancel the <Sensor Alarm>: Once detected the door is opened, alarm will not make the beeping sound but you will receive the push notification.

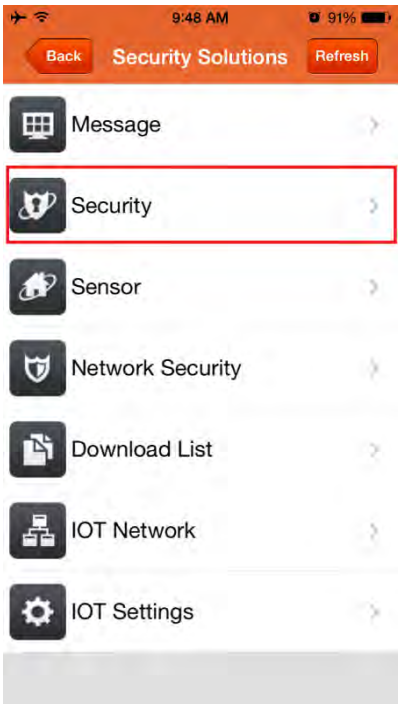
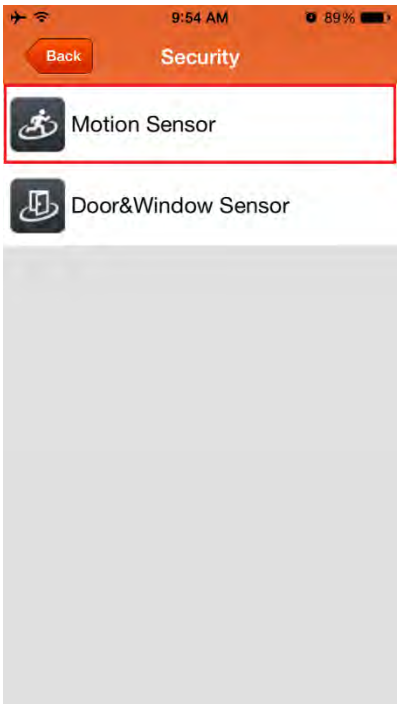
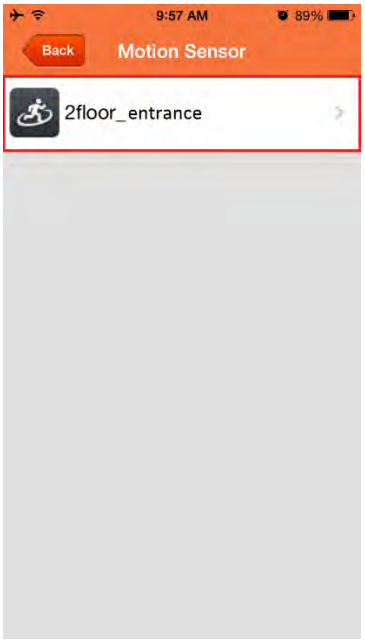
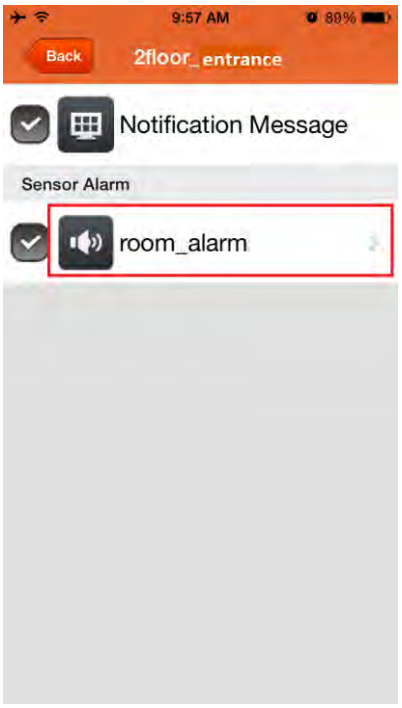
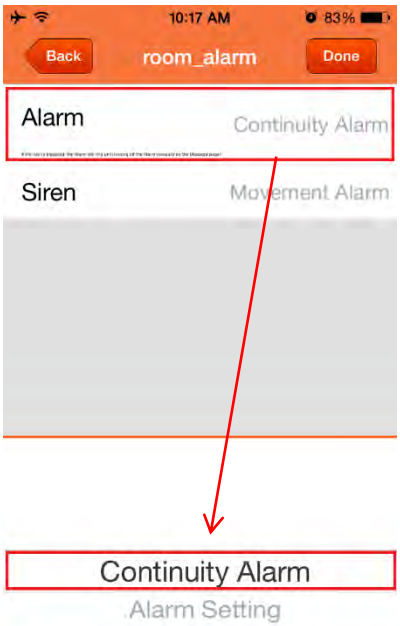
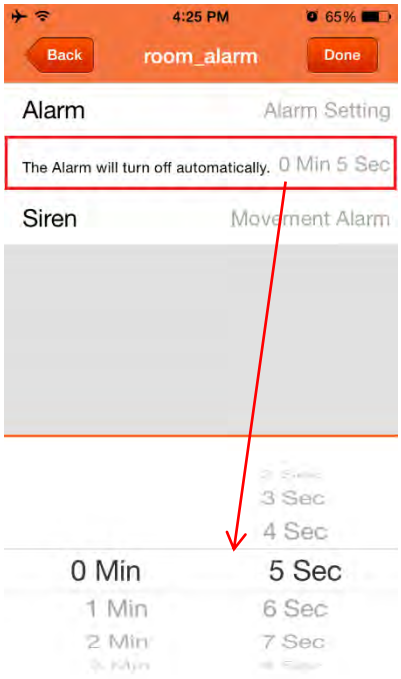


Step 6. Cancel both <Notification Message> & <Sensor Alarm>: Once detected the door is opened, you will not receive any message notification and the alarm will not make the sound either.

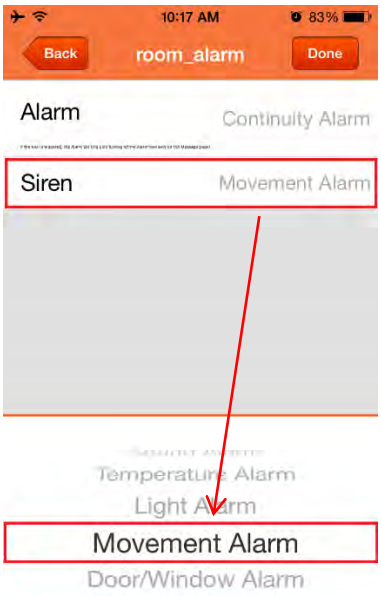


7.2 How to change the security alarm sound

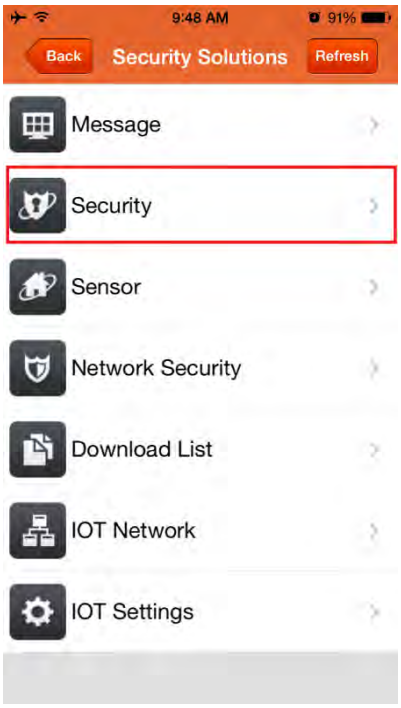
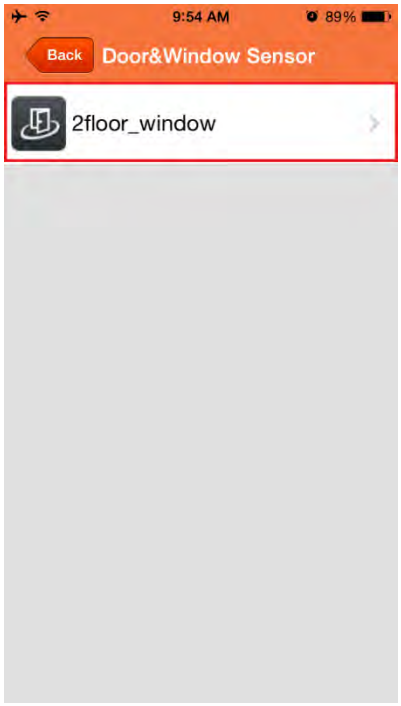
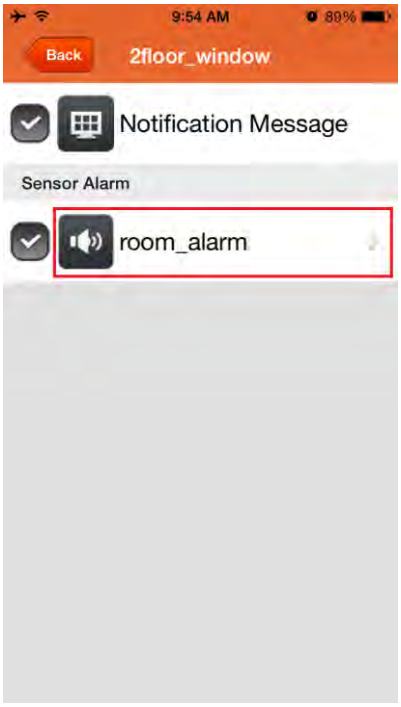
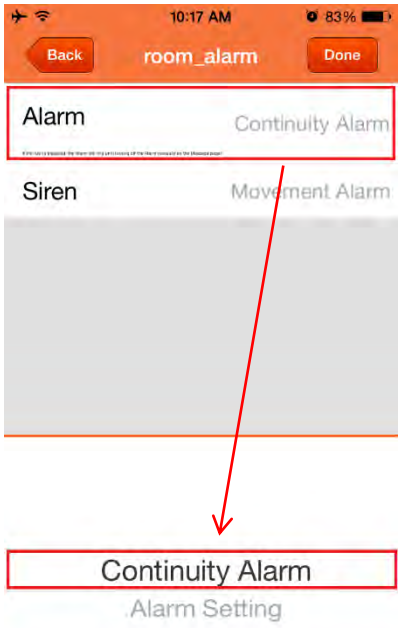
7.2.1 ZigBee Infrared Motion Sensor (MDKA0z)

Step 1. Click <Security> 	Step 2. Click <Motion Sensor> 	Step 3. Enter the alarm system to the setting page 
Step 4. Select the Sensor Alarm to the setting page(shown below in red frame) 	Step 5. Enter Sensor Alarm to adjust the system. 	Step 6. Choose one of the options as you like to set up the alarm type and time. 	

There are 5 types of different selectable beep length of "Siren". When settle down alarm sounds and siren, please press "Done" at the top right of the page to return to the sensing feature page.



7.2.2 ZigBee Door & Window Sensor（DDLA0z）

Step 1. Click <Security> 	Step 2. Click <Door & Window Sensor> 	Step 3. Enter the alarm system to the setting page 
Step 4. Select the Sensor Alarm to the setting page(shown below in red frame) 	Step 5. Enter the Sensor Alarm to adjust the system. 	Step 6. Choose one the options as you like to set up the alarm type and time

There are 5 types of different selectable beep length of "Sirens". When settle down alarm sounds and siren, please press "Done" at the top right of the page to return to the sensing feature page.

8. System Management

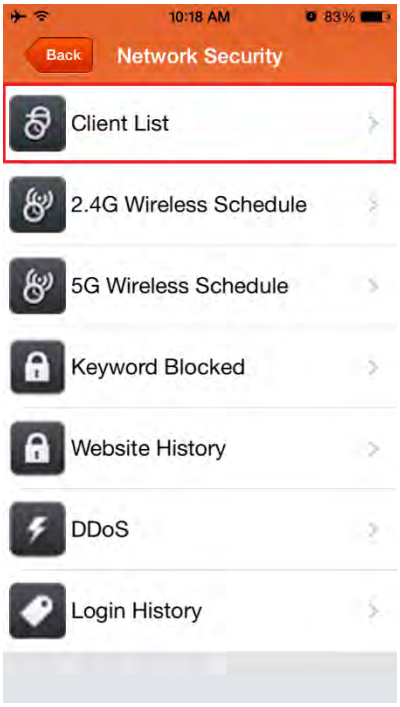
8.1 Network Security- How to set up the network security and system management

Network security is a system with several functions, for example, parents can manage websites for children using and time control. Also, you can remote log in, and check the situation from network attack.

8.1.1 Client List

Step 1. Click <Network Security>

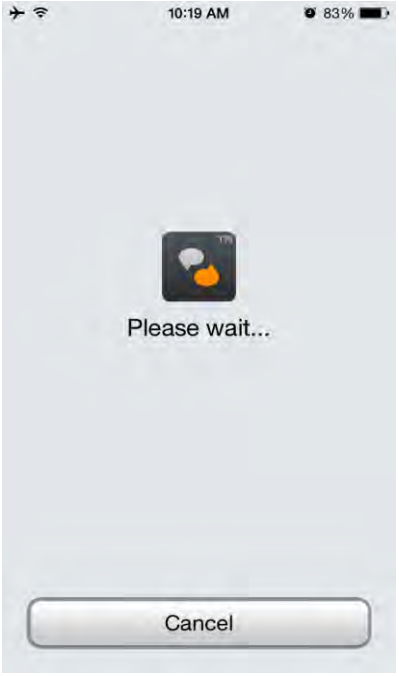
Step 2. Click <Client List>



Step 3. The is for block or adjust the time of surfing the internet. To do so, the time you set up cannot surf the internet.

Step 4. Select the limit-time from **Start** to the **End** (in 24-hour time system). Then select dates and <Apply>

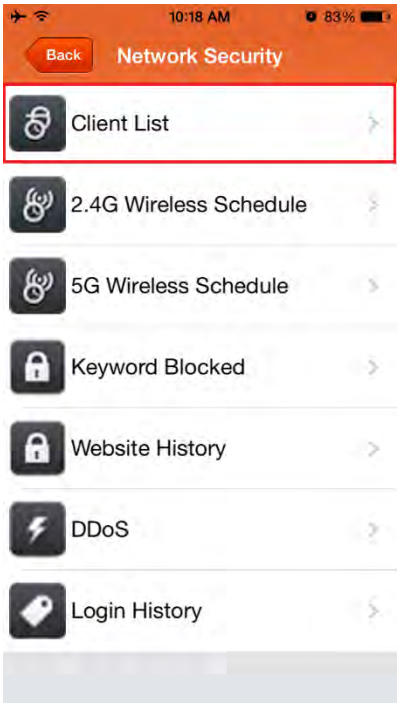
Step 5. Under connecting, please wait...



Step 6. The system will automatically logout and login to finish the setting.

Step 7. Click <Network Security>

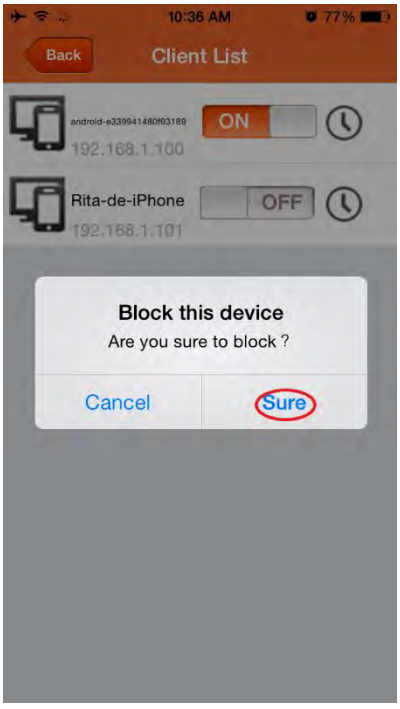
Step 8. Click <Client List>



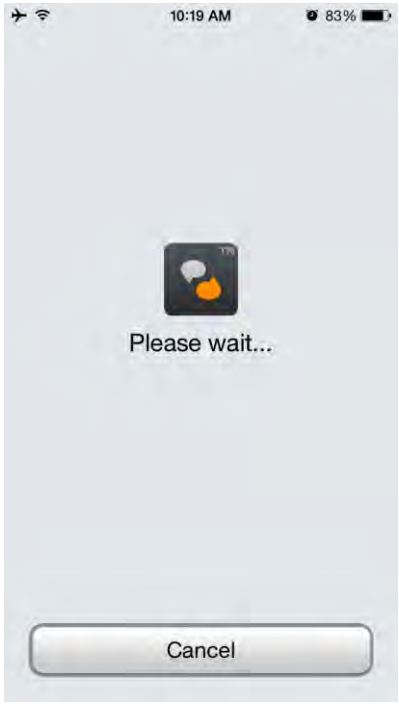
Step 9. The is turning grey and ON sign appeared represents that the block system is on

Step 10. If you want to block the network in specific device, please switch to ON ON

Step 11. Select <Done> after setting, the system will set up the schedule for blocking



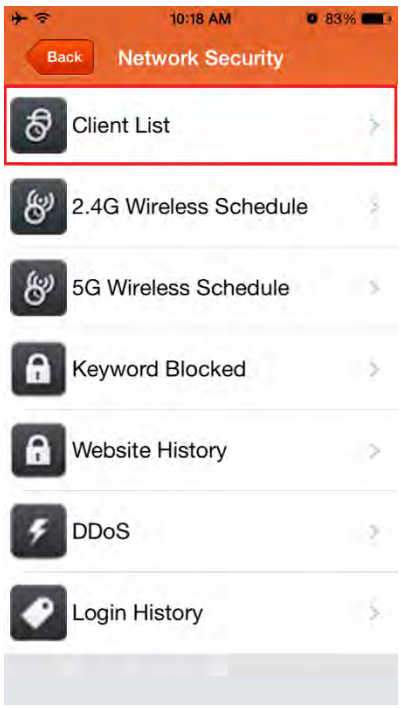
Step 12. Under connecting, please wait...



Step 13. The system will automatically logout and login to finish the setting.

Step 14. Click <Network Security>

Step 15. Click <Client List>

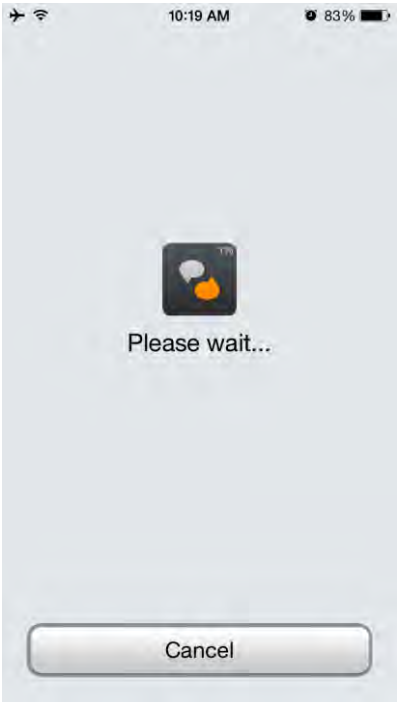


Step 16. The is turning grey and ON sign appeared represents that the block system on.

Step 17. To cancel the block system, please switch to OFF

Step 18. Select <Sure> after setting, the system will cancel the schedule for blocking.

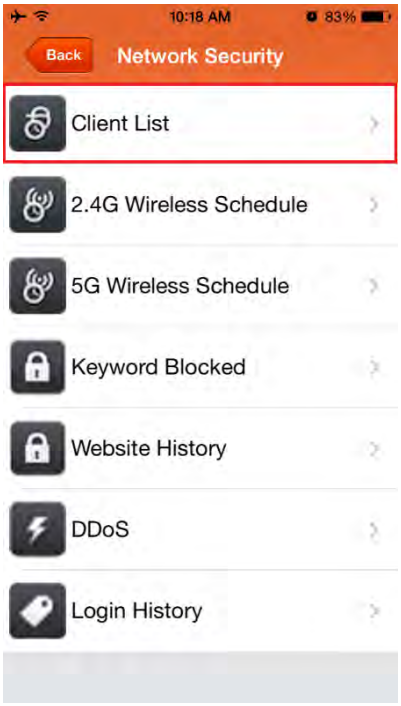
Step 19. Under connecting, please wait...



Step 20. The system will automatically logout and login to finish the setting.

Step 21. Click <Network Security>

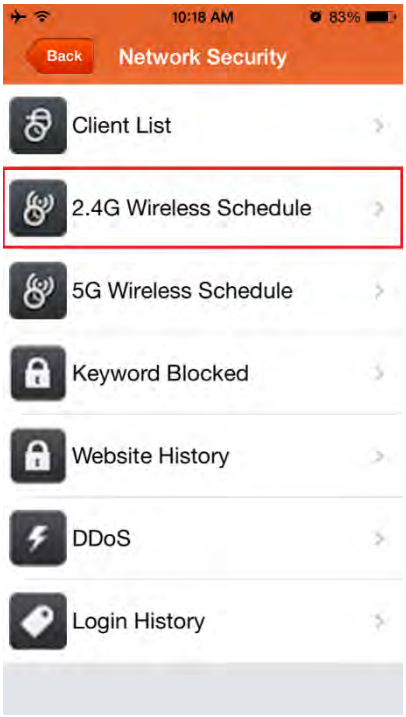
Step 22. Click <Client List>



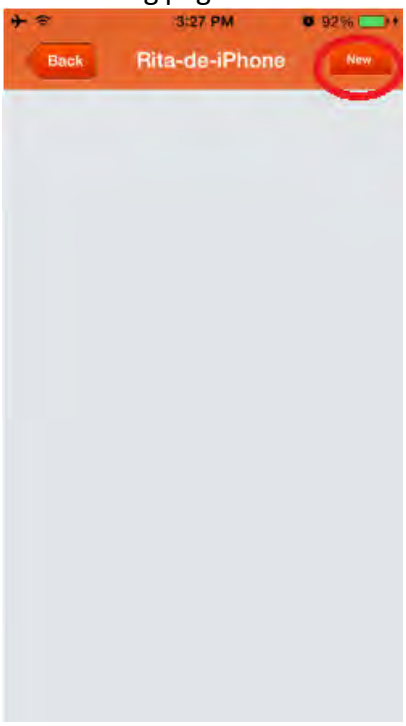
Step 23. The is turning grey and OFF sign appeared represents that the block system is OFF OFF.

8.1.2 Wireless Schedule

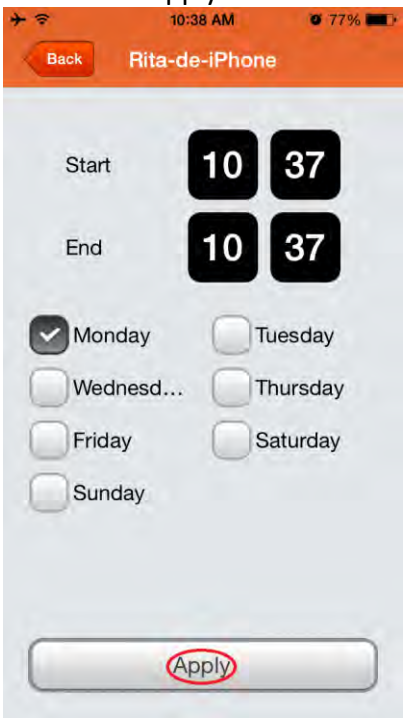
Step 1. Click <Wireless Schedule>



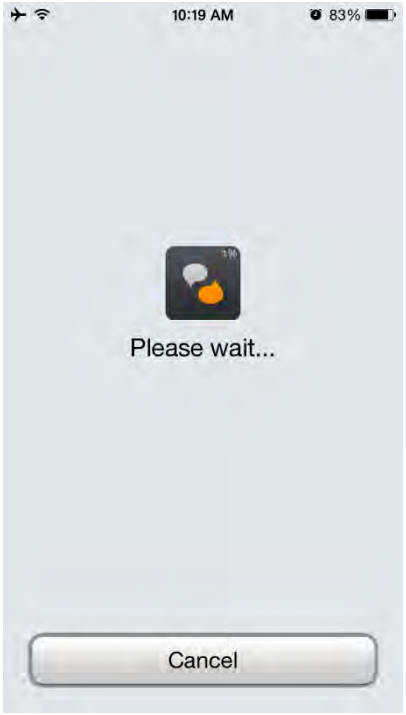
Step 2. Click <New> on the right top, and enter the Internet Time Setting page.



Step 3. Select the limit-time from **Start** to the **End** (in 24-hour time system). Then select dates and <Apply>

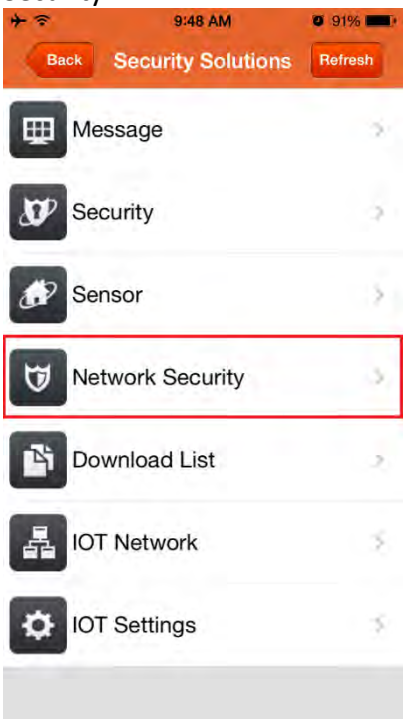


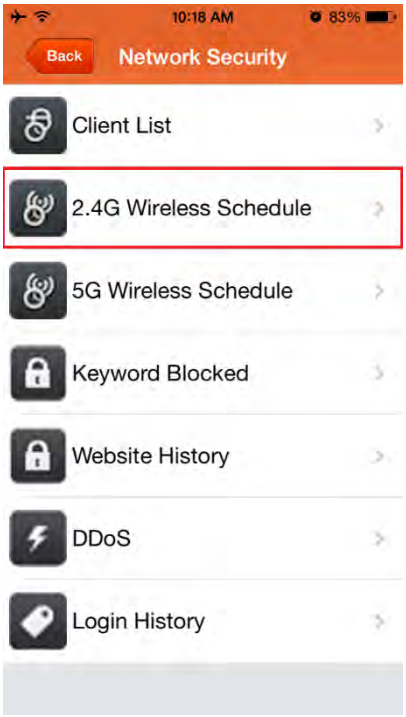
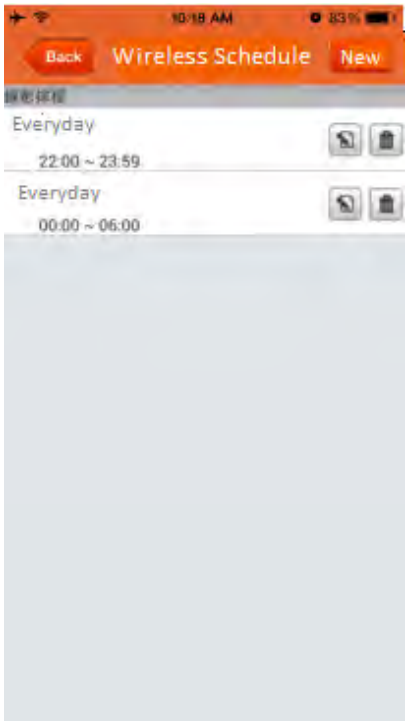
Step 4. Under connecting, please wait...



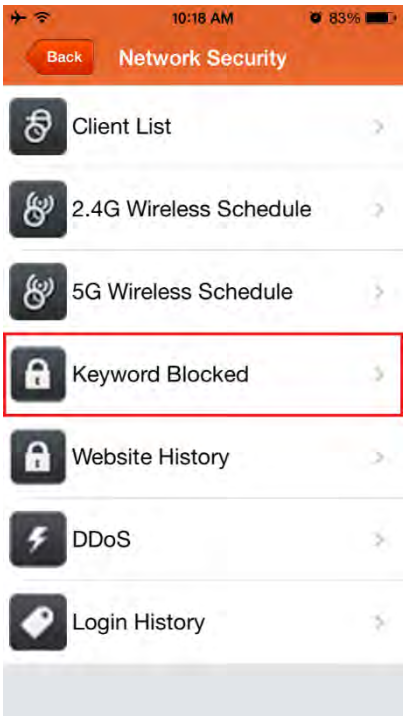
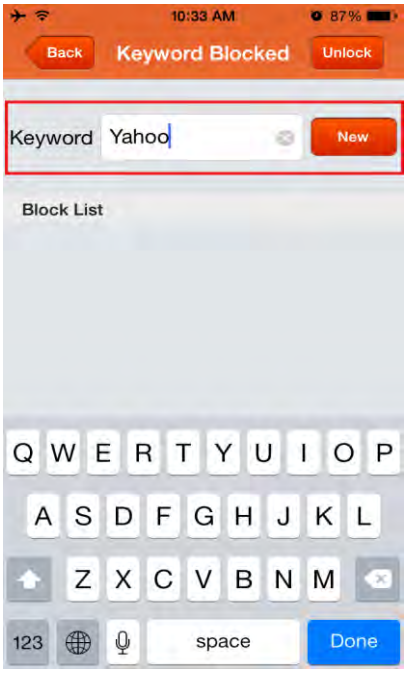
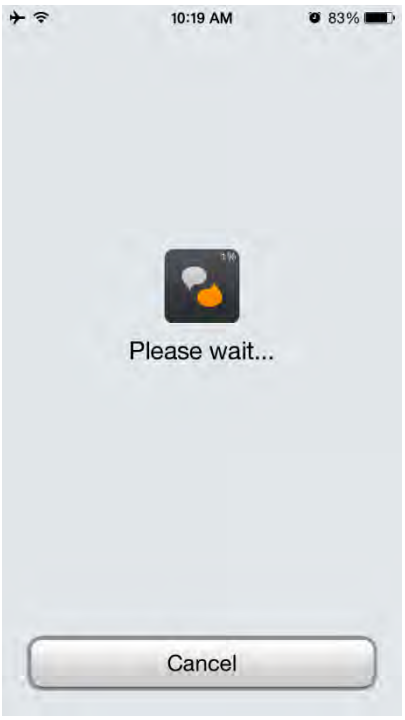
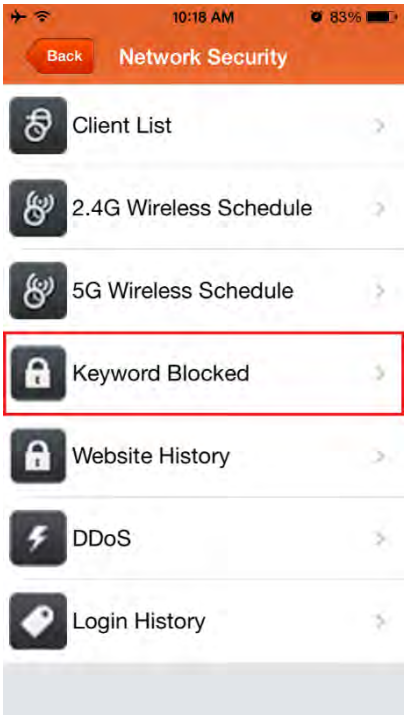
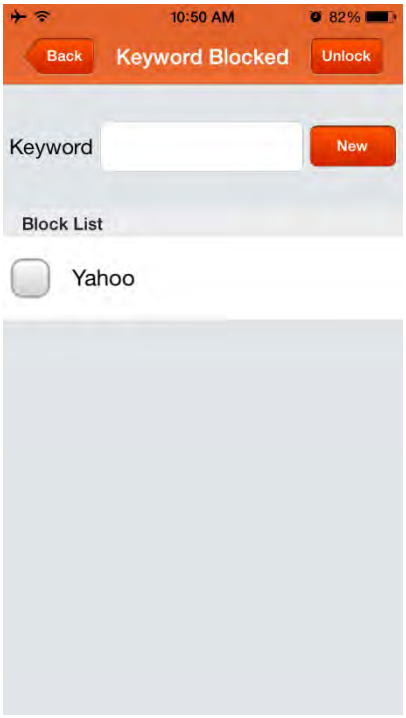
Step 5. The system will automatically logout and login to finish the setting.

Step 6. Click <Network Security>

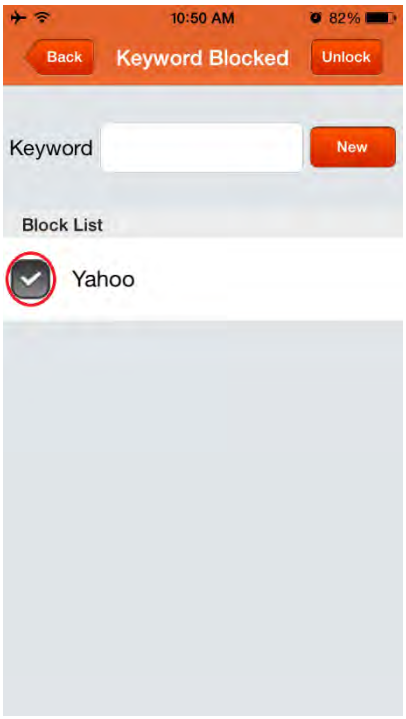


Step 7. Click <Wireless Schedule>  	Step 8. You can view the wireless status on the page of Internet Time Setting, and do the Edit or Delete.  	

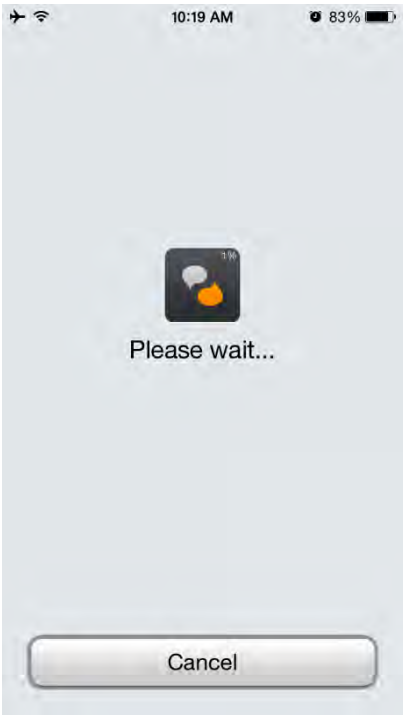
8.1.3 Keyword Blocked

Step 1. Click <Keyword Blocked> 	Step 2. Enter the key word for blocking, such as: Yahoo, and click <New> 	Step 3. Under connecting, please wait... 
Step 4. The system will automatically logout and login to finish the setting 	Step 5. Click <Network Security> -> <Keyword Blocked> 	Step 6. You can view the key word under the Block List on the Keyword Blocked page. 

Step 7. To cancel the keyword blocked, please select the keyword under the list and click <Unlock>



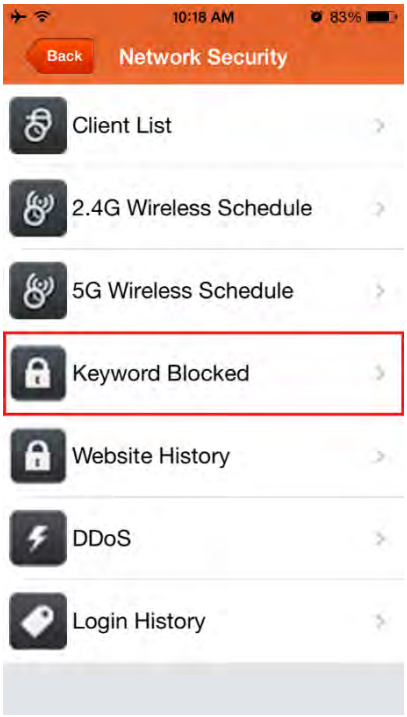
Step 8. Under connecting, please wait...



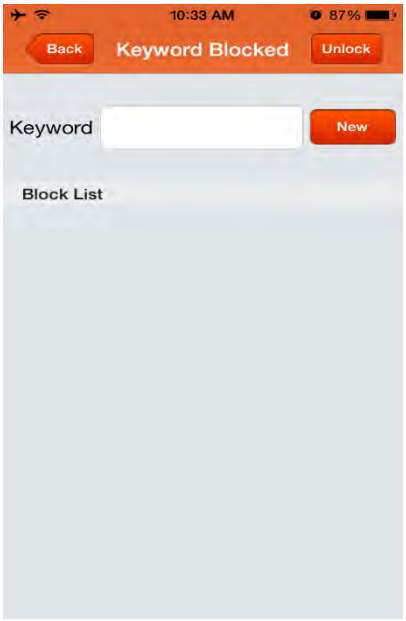
Step 9. The system will automatically logout and login to finish the setting

Step 10. Click <Network Security>

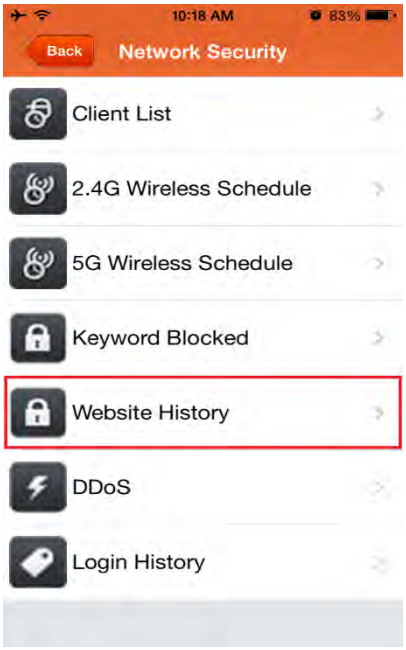
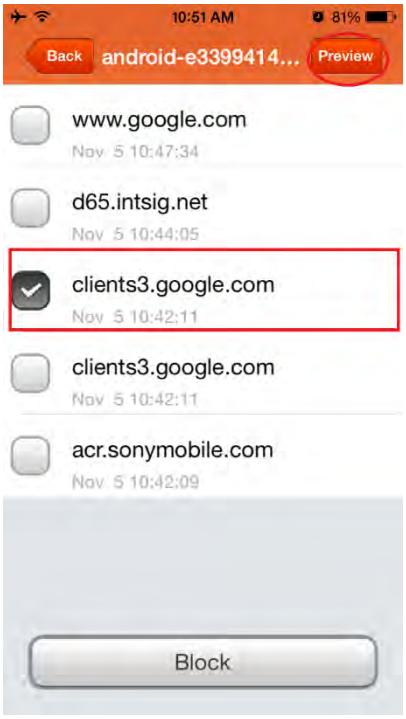
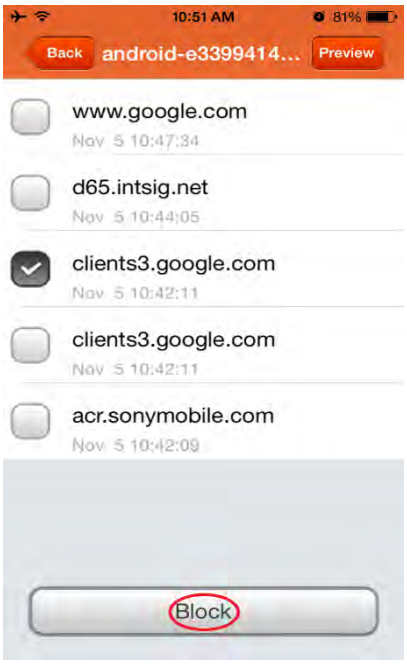
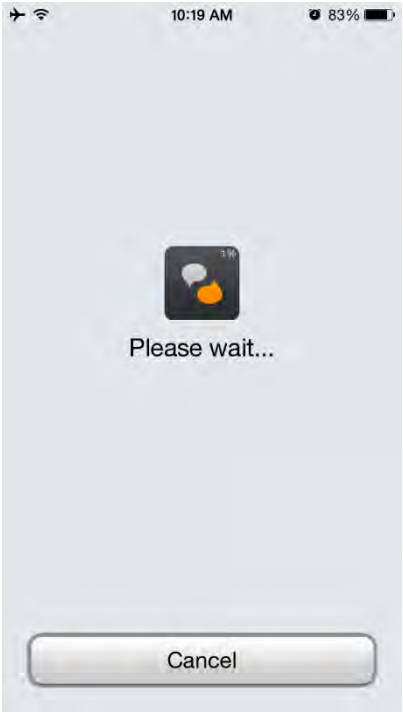
Step 11. Click <Keyword Blocked>

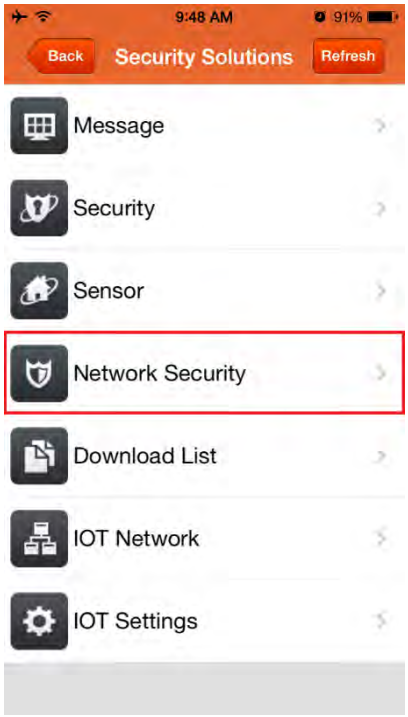
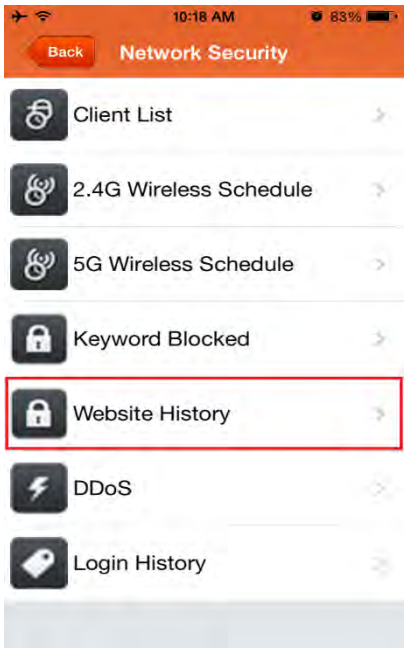
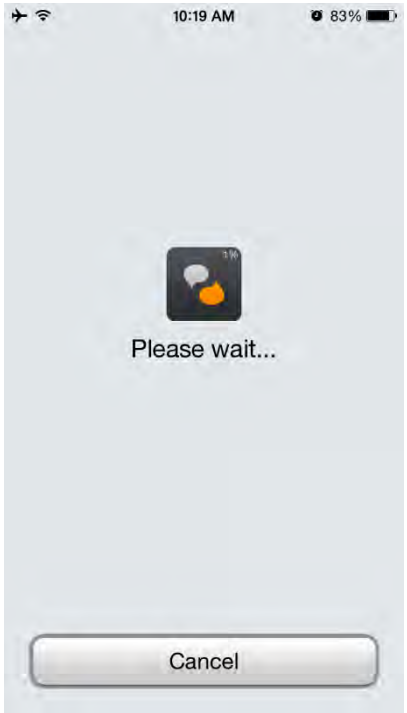


Step 12. You can view the key word under the Block List on the Keyword Blocked page is disappeared.



8.1.4 Website History

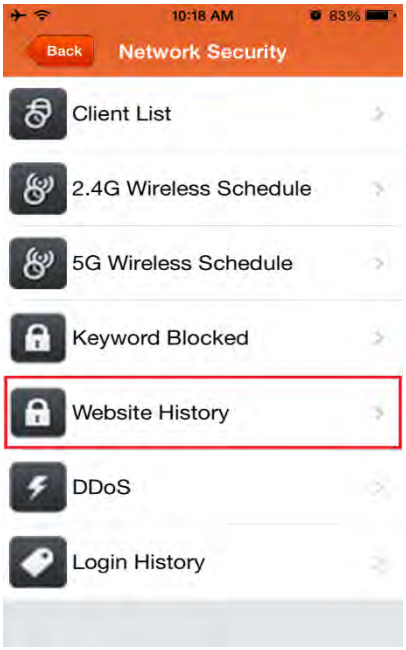
Step 1: Click <Website History>, you can view all the devices that had connected on this router 	Step 2. Enter Website History page and select the device you want to viewing 	Step 3. Before viewing the website history under the list, select one of the websites and click <Preview>. 
Step 4. Do the website filter before viewing. To finish the viewing click <Back> 	Step 5. Select one of the websites and click <Block> to block the website that you choose 	Step 6. Under connecting, please wait... 

Step 7. The system will automatically logout and login to finish the setting. 	Step 8. Click <Network Security> 	Step 9. Click <Website History> 
Step 10. You can view the website under the Block List on the Website History page 	Step 11. To cancel the website blocked, please select the website under the list and click <Unlock> 	Step 12. Under connecting, please wait... 

Step 13. The system will automatically logout and login to finish the setting.

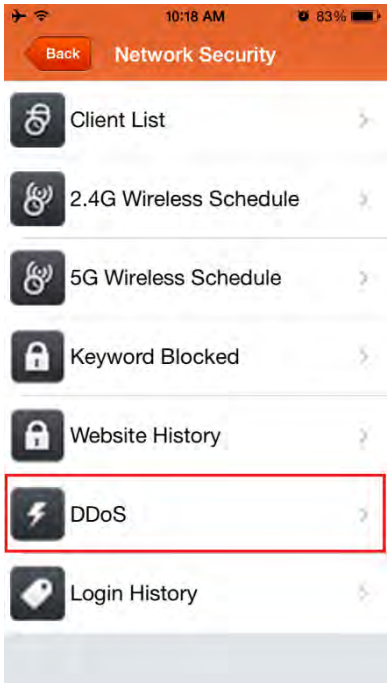
Step 14. Click <Network Security>

Step 15. Click <Website History>

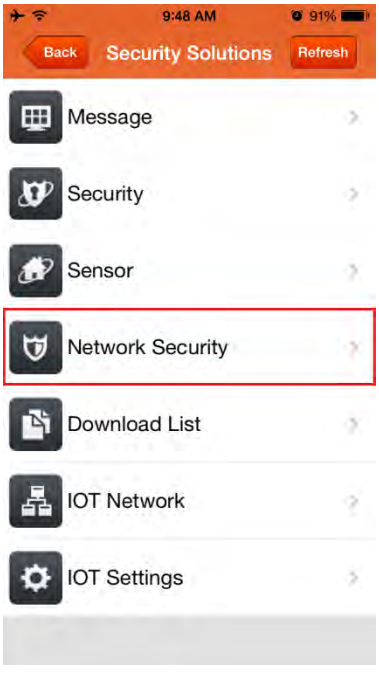
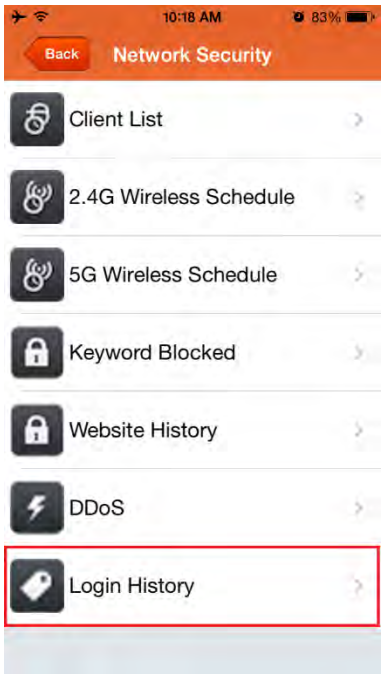


Step 16. You can view the website under the Block List on the Website History page is disappeared

8.1.5 Distributed Denial of Service (DDoS)

Step 1. Click <Network Security>	Step 2. Click <DDoS>	Step 3. You can view the attact type, situation, and time when your network is attracted (If there is no information shown under the list, means that your network is safe so far)
		

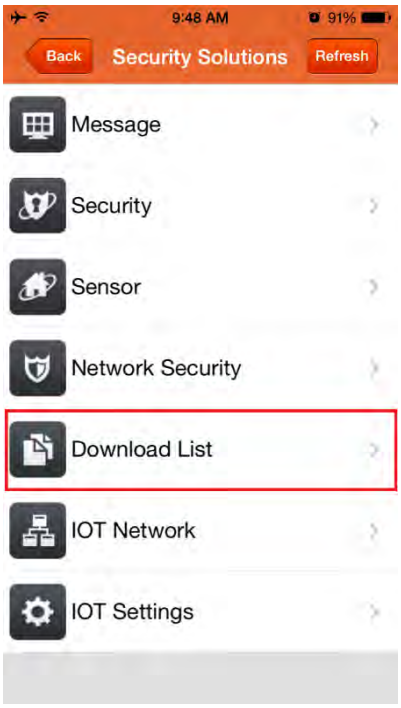
8.1.6 Login History

Step 1. Click <Network Security>	Step 2. Click <Login History>	Step 3. You can view the APP device's IP location, date, and time that you used to log in before.
		

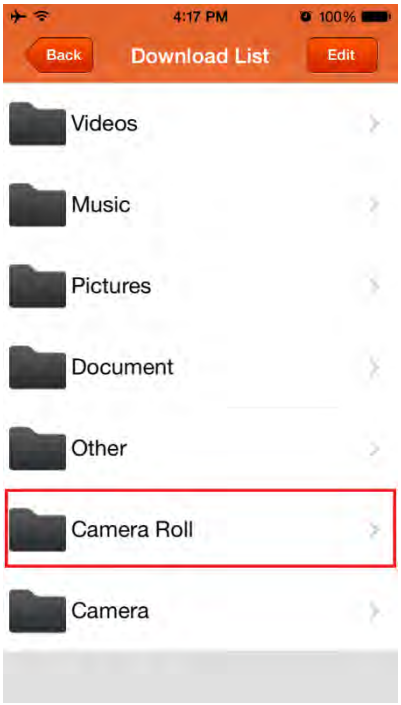
8.2 Download List- How to manage the files in your devices (Smartphone, Tablet)

The system by APP offers management and edit function for files, information from your smartphone. Moreover, you can view the Download List in offline status.

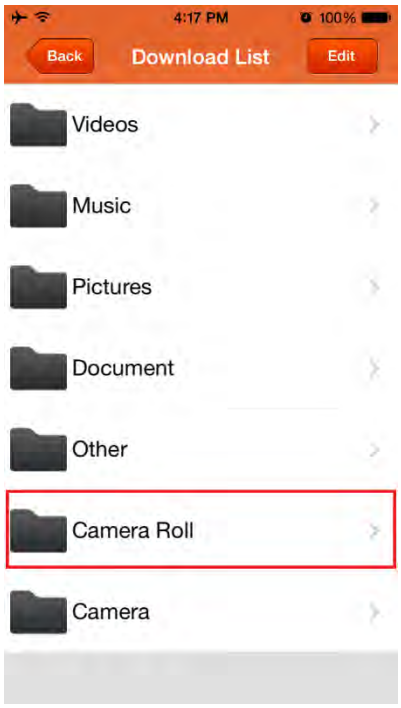
Step 1. Click <Download List> will lead you to the Download List page



Step 2. The file downloaded by Sapido APP will sort by file format (JPG, MP3, AVI, EXE…) automatically categories and save the **Videos, Music, Pictures, and Document** (EX: JPG file format will save to "Pictures" file automatically) (There is nothing in the file if you didn't download anything from Sapido APP before)



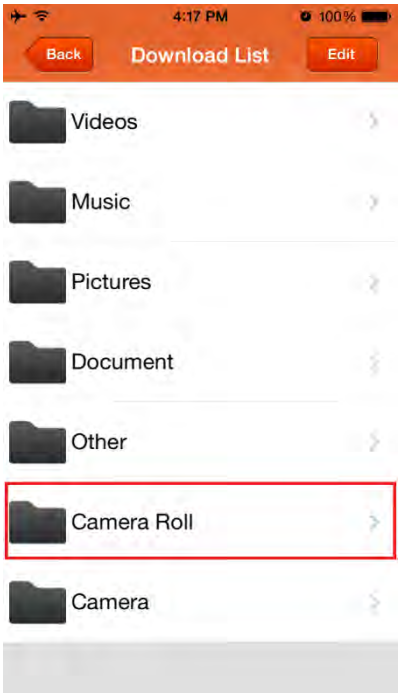
Step 3. "Camera Roll", "My Files", and "Camera" are the systems from your phone originally for you can view and edit files easier.



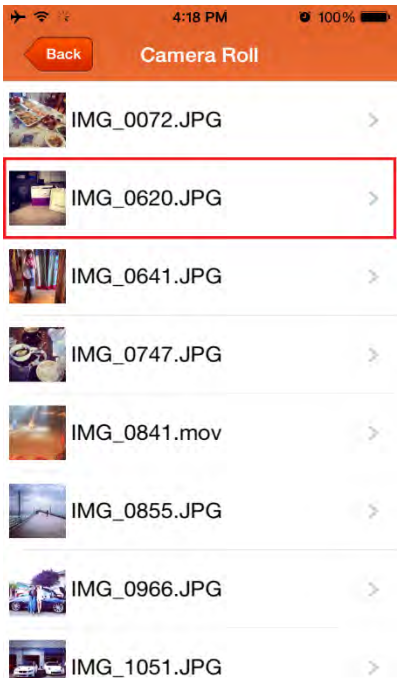
8.2.1 File Browse

There are several file formats, such as MP4, AVI, built-in from APP already for viewing videos and music directly. However, there are some file formats (Word, Excel, and Power Point) that cannot be browsing without downloaded relating Office APP or PDF from Play Store. (EX: Polaris Office)

Step 1. Click <Camera Roll>



Step 2. Select the photo for browsing



Step 3. Photo browsing… Click <Back> to go back to the front page

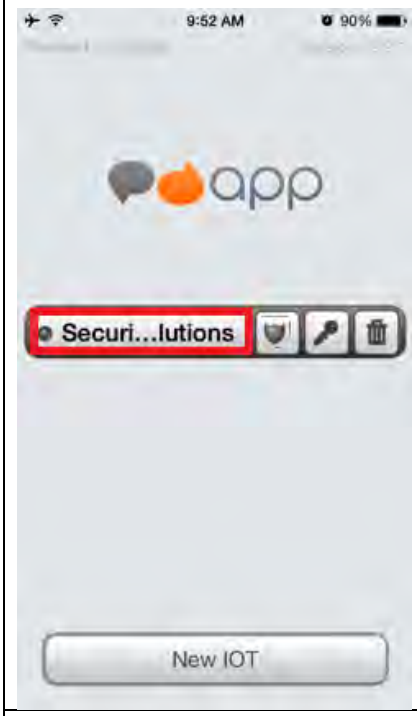
Step 4. The tool list will pop up when you touch screen

Step 5. You can portrait orientation for browsing photo in different direction, and click <Back> to go back to the front page.

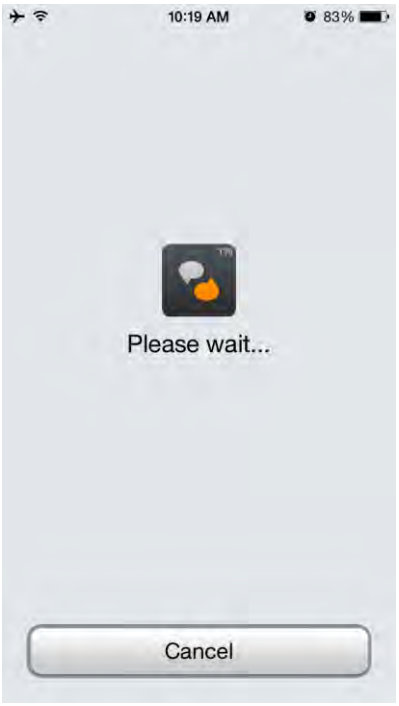
8.2.2 Offline Browse

You can still enter and edit the function of “My Files” while offline

Step 1. The light symbol will turn gray when it is under the offline status

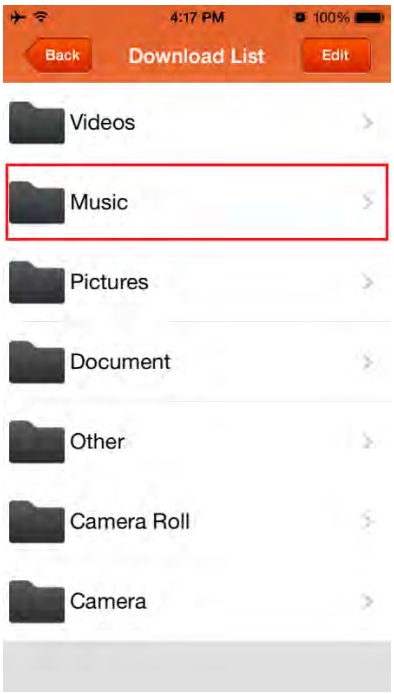


Step 2. Under connecting, please wait...



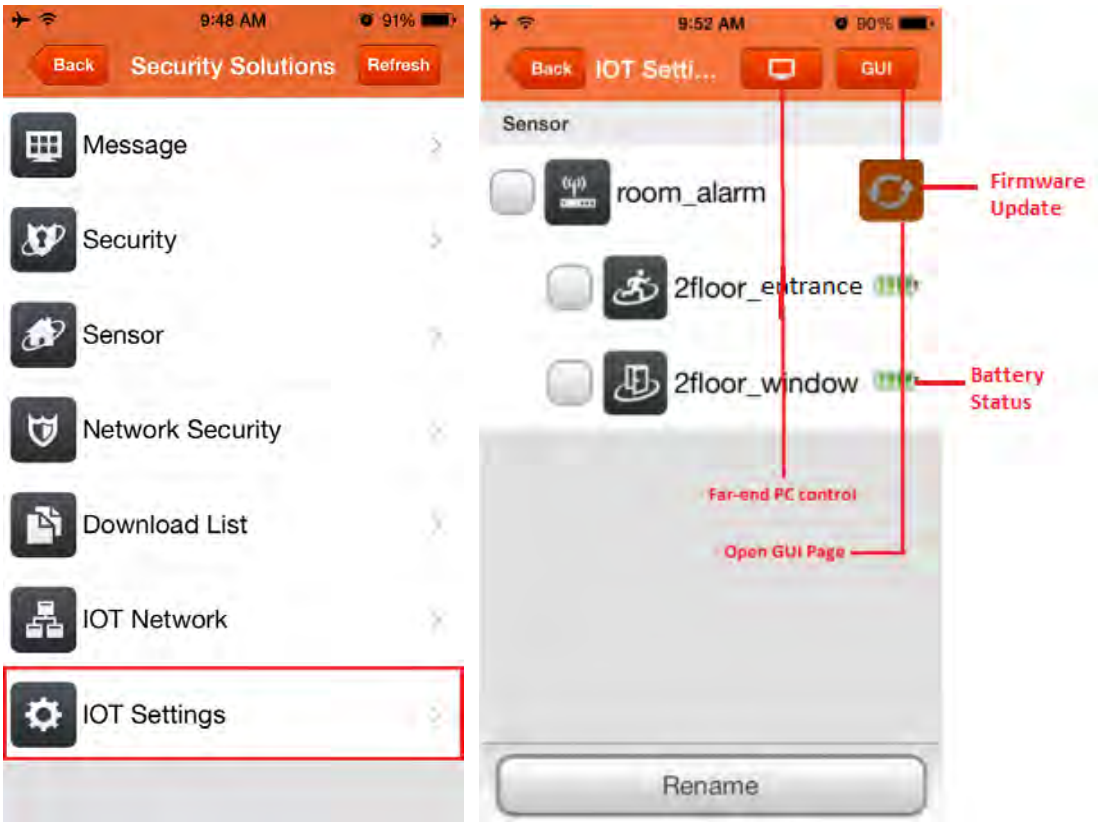
Step 3. Select “Offline Browse”

Step 4. Enter the home page, you can browse music or videos here



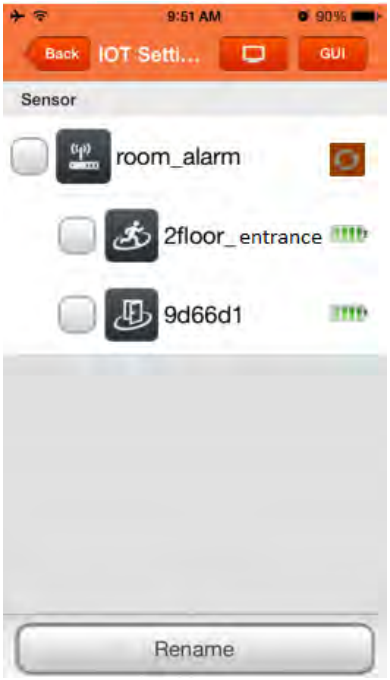
8.3 IOT Settings- How to manage security device in system

How to give a new name for your security system? Please operate in the IOT Settings page.
The IOT Settings page offers several functions like rename, and the symbols of Graphic User Interface (GUI), security sensor update, and PC management. You can view the detail of all the wireless devices and ZigBee's (CS101x) number, name, and battery.

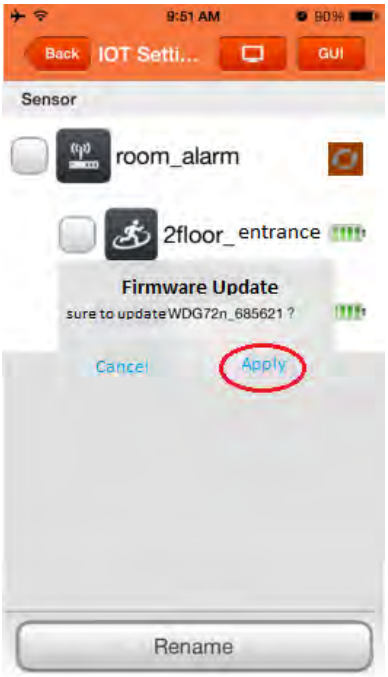


8.3.1 How to auto update the firmware version

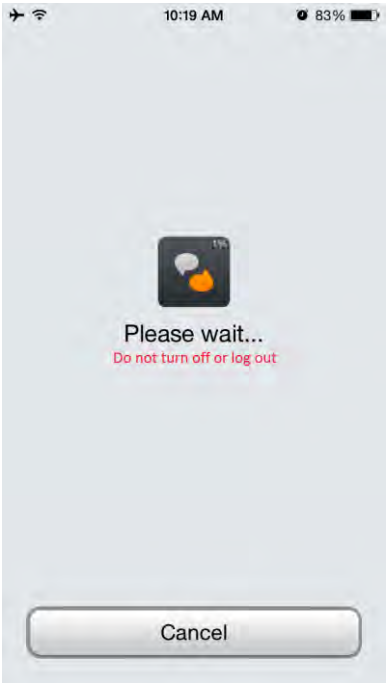
Step 1. When the update symbol appear on the right next to one of the sensors, click it and complete the updating.



Step 2. Click <Apply> before double check

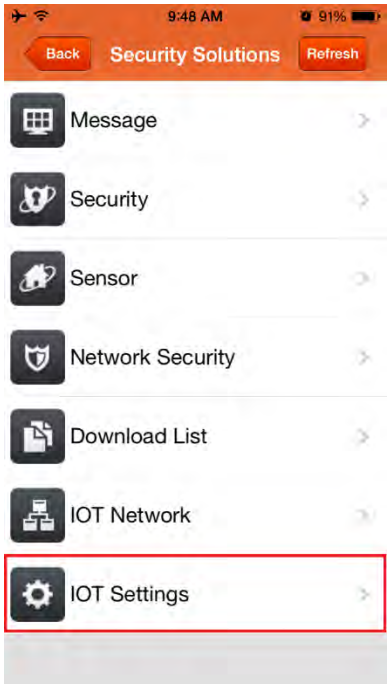
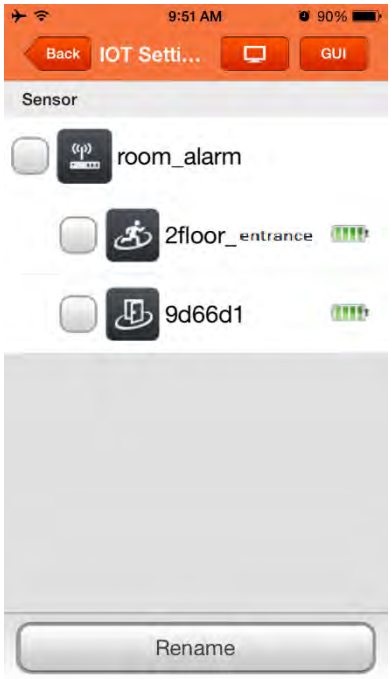


Step 3. Under connecting... Do not turn off or log out.



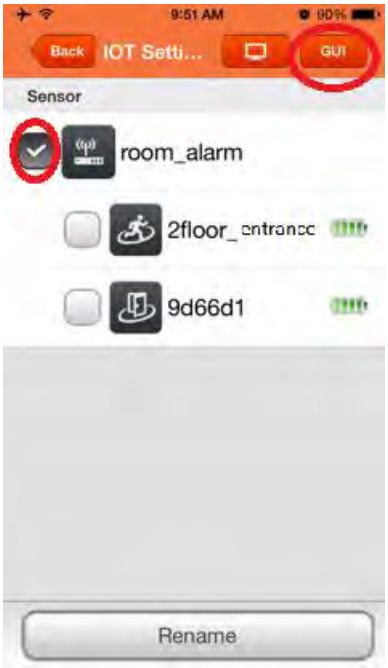
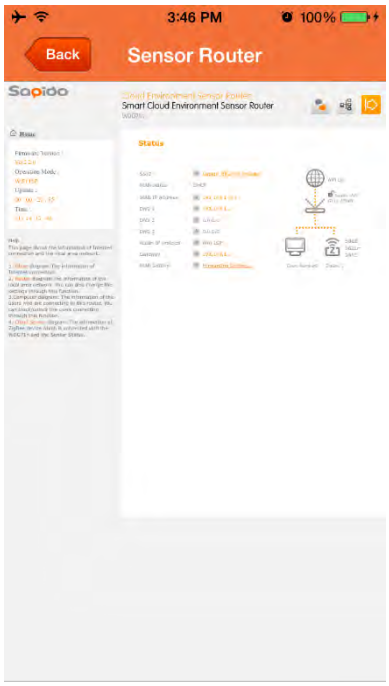
Step 4. You will see Sensor Alarm Router (WDG71n) lights on green after updating

Step 5. Then press the ZigBee button on both Motion Sensor(MDKA0z) and Door & Window Sensor(DDLA0z) separately once(about 1 sec) to make them connect to the Sensor Alarm Router(WDG71n).

Step 6. Enter Sapido APP then log in your security network	Step 7. Click <IOT Settings>	Step 8. Congratulations! The latest firmware version is successfully upgraded.
		

8.3.2 The Function of GUI

You can open GUI in IOT Settings page. GUI offers the function of viewing firmware version, today's date & time, time of power-on, and network status. Also, it can setup VPN, SSID...and so on.

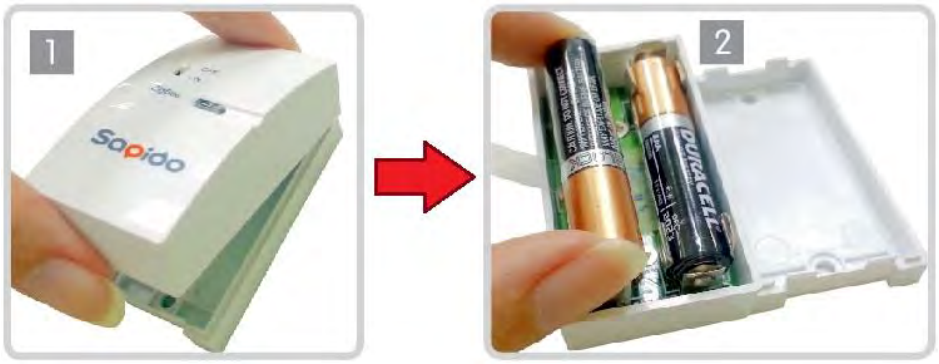
Step 1. Select one of the sensors, then click <GUI> on the top right corner.	Step 2. Enter the page of GUI. (You will see the page as same as when you viewing from computer)	Step 3. You can arrange the screen for easier watching.
		

9. “How to set up other sensor device or cloud security” instruction

9.1 Set up a new Door & Window Sensor（DDLA0z）

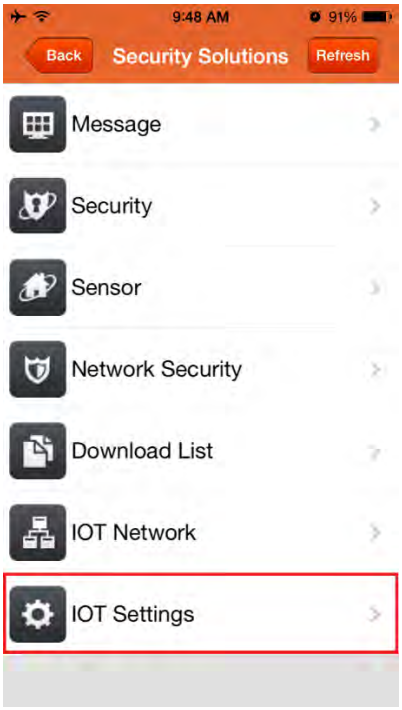
Even though there is a Door & Window Sensor (DDLA0z) already in a set of Smart Cloud Sensor kit (CS101x), you can still have several sensors to make your place more secure. Below are the steps of make connection of all of your sensors at home.

Step 1. Please open the lid of the Door & Window Sensor (DDLA0z) and insert 2 x AAA batteries. Before close the lid, switch the power to ON.



Step 2. Get started to connect WDG71n and ZigBee. Press the ZigBee button on both Sensor Alarm Router (WDG71n) and Door & Window Sensor (DDLA0z) separately once (about 1 sec). When the left light (ZigBee) of DDLA0z is blinking, it means the DDLA0z is connecting properly with WDG71n.

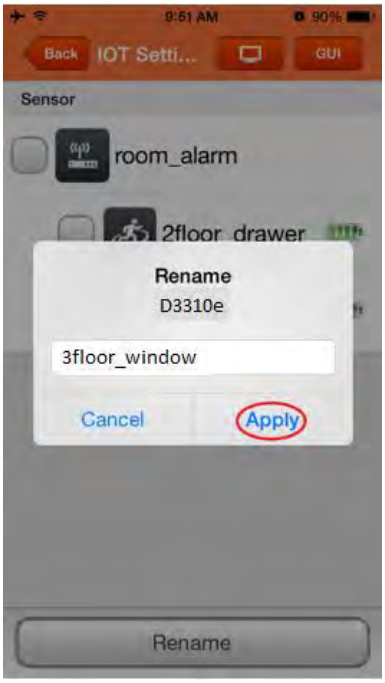
Step 3. Enter Sapido APP then log in your security network then click <IOT Settings>



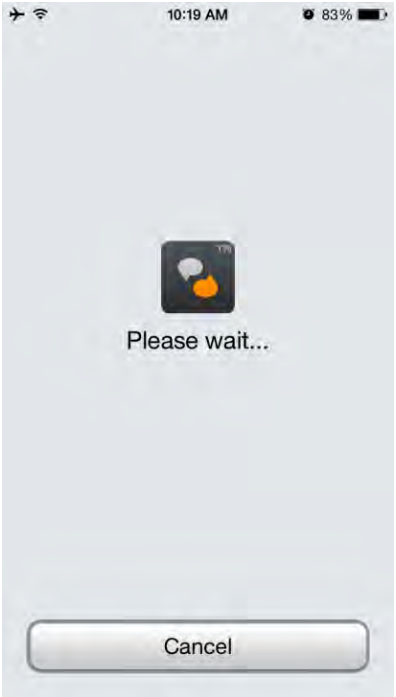
Step 4. You will see the new DDLA0z under the page of IOT Settings

Step 5. Please select the new DDLA0z, then click <Rename>

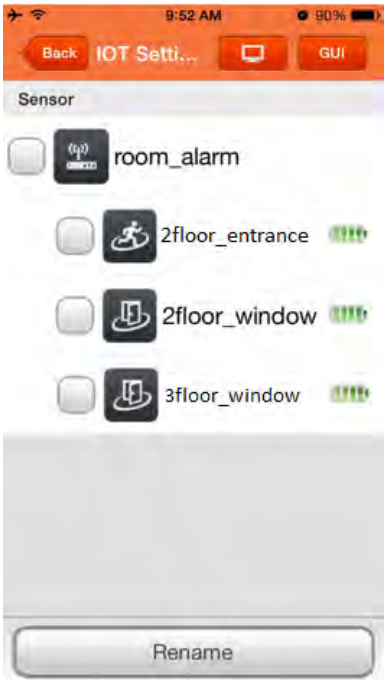
Step 6. Enter the new name and click <Apply> for easier manage events in the future.



Step 7. Under connecting, Please wait...



Step 8. Complete DDLA0z setting with new name



9.2 Add New IP Camera

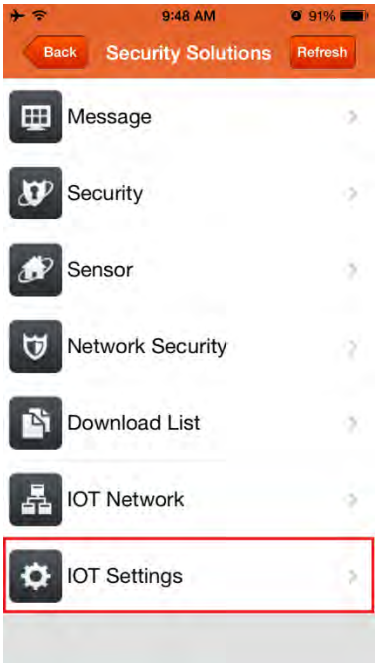
The Smart Cloud Sensor Kit (CS101x) can keep your home secure. In addition, you can add a new device of Sapido Smart Cloud Night Vision Camera with Auto Wireless Router (IPJC2n) to improve your cloud security system. With Sapido Smart Repeater Technology, you can easily connect the Sensor Alarm Router (WDG71n) and IPJC2n by pressing WPS buttons. Therefore, you will have a new camera and updating security system.

Step 1. Please switch to the W mode that located at the back side of IPJC2n, while connecting to Wi-Fi network by Sapido router. Wait for about 30 seconds for starting up.

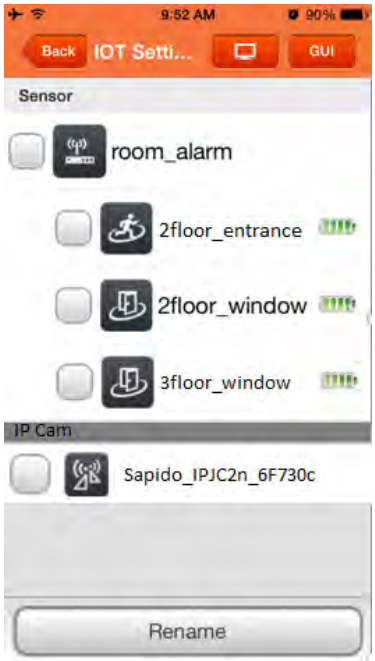
Step 2. Get started to make the WPS wireless (Wi-Fi) connection of Sensor Alarm Router (WDG71n): Please press the WPS button on both Sensor Alarm Router (WDG71n) and IPJC2n separately. When both of the lights stop blinking, it means the connection and encryption are completed.

※ To connect more than 3pcs IPJC2n, follow the step 2 as the same way for pressing the WPS buttons on each device.

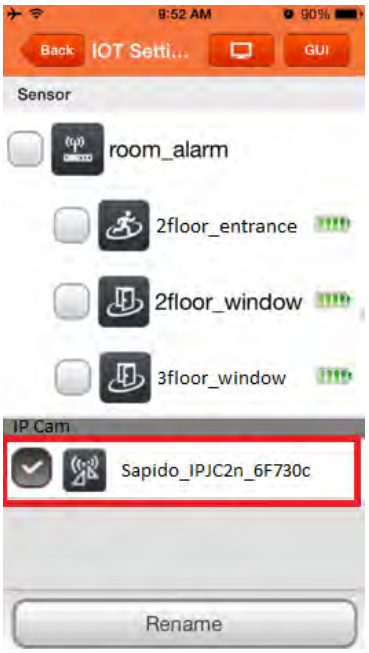
Step 3. Enter Sapido APP then log in your security network then click <IOT Settings>



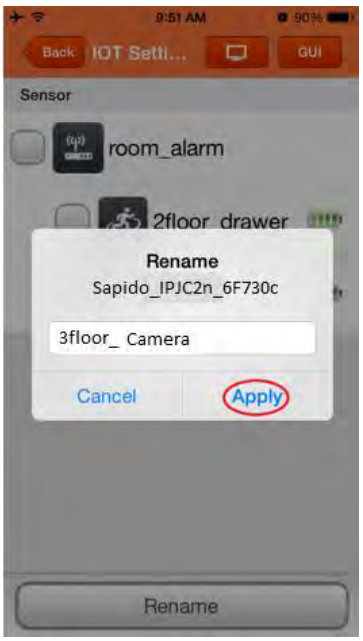
Step 4. You can see the new IPJC2n device is already under the list, it means it is added in your network.



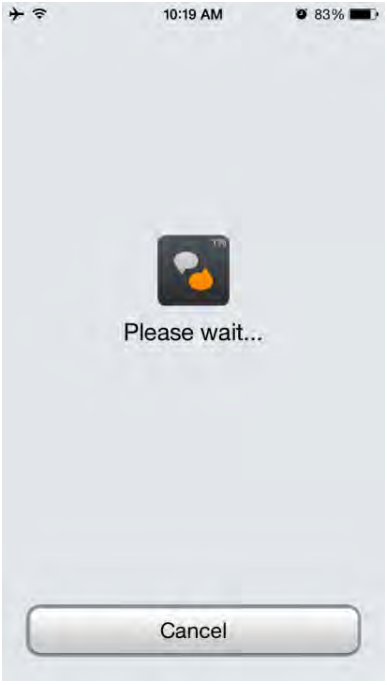
Step 5. Select IPJC2n, then click <Rename>



Step 6. Enter the new name and click <Apply>, then complete rename the new IPJC2n device.

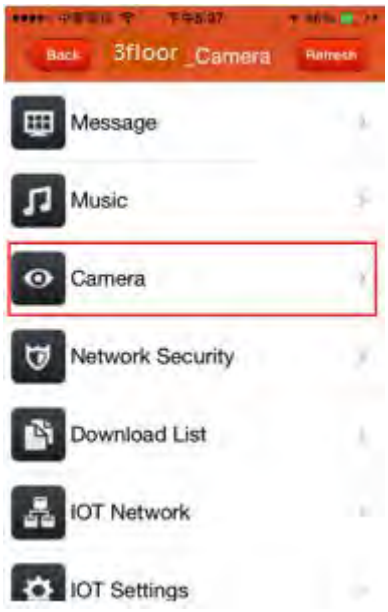


Step 7. Under connecting… Please wait



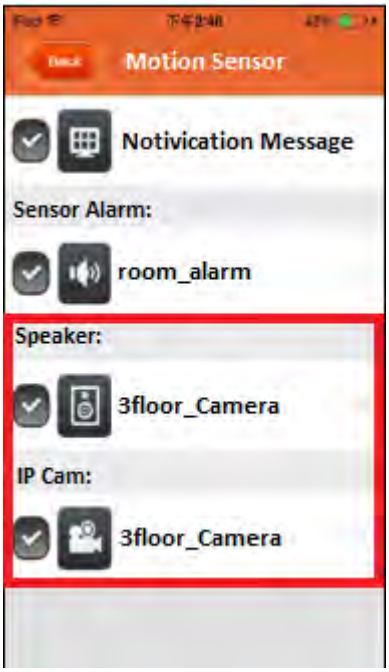
Step 8. Complete IPJC2n setting with new name

Step 9. Go back to the home page and click <Camera> for real-time monitoring from your phone.



Step 10. Camera ten functions available below

Step 11. Please go back to the home page and click <Security> and <Sensor>, you will find the camera.



To understand more about Sapido IPJC2n, please reference IPJC2n user manual.

10. How to connect security system to the existing Sapido devices at your home?

If you already have Sapido router, there are two ways (wired & wireless) to connect Sensor Alarm Router (WDG71n) to other Sapido devices at your home.

10.1 Wired network connecting- Transfer to wireless network mode

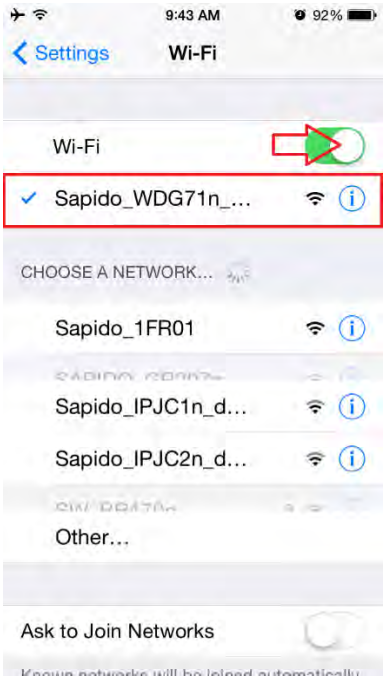
Step 1. Use the Ethernet Cable to hook up Sapido router and Sensor Router (WDG71n), and switch to the A mode. Plug-in

※ To install Sensor Alarm Router(WDG71n) and Door & Window Sensor(DDLA0z), please reference **1.2 Hardware Installation instruction**

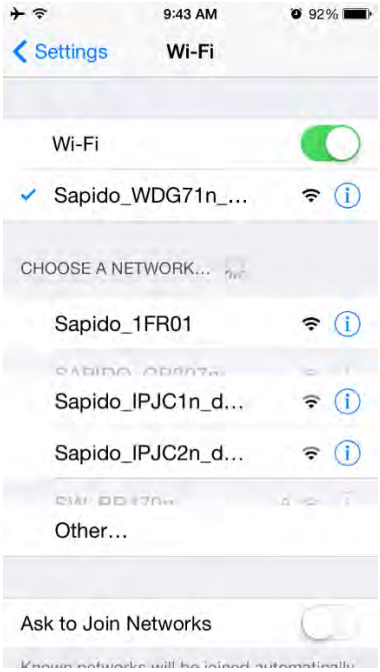
Step 2. WAN/LAN light will turn red to green while starting up. About after 30 seconds, both ZigBee lights and Wireless lights will turn on.

Step 3. Open the <Settings> page on your phone.

Step 4. Turn on Wi-Fi and search the signal of your sensor

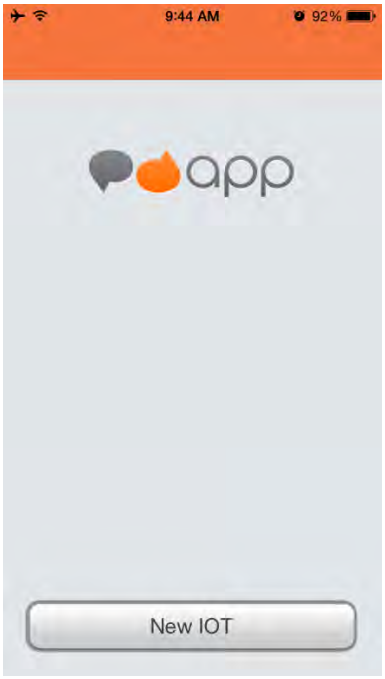


Step 5. Get on Wi-Fi from either Sensor Alarm Router (WDG71n) or other Sapido routers.



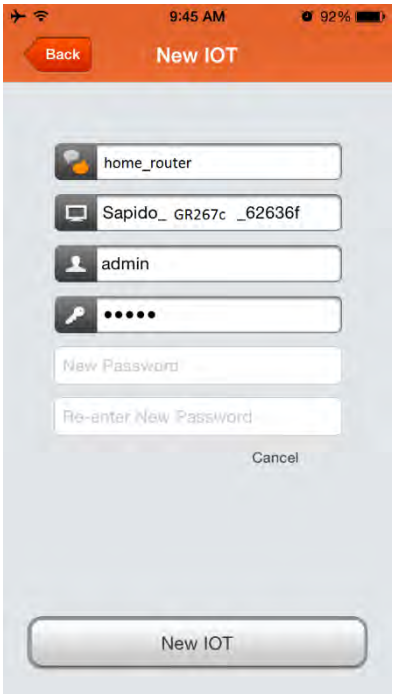
Step 6. Open the Sapido APP

Step 7. Click <New IOT>



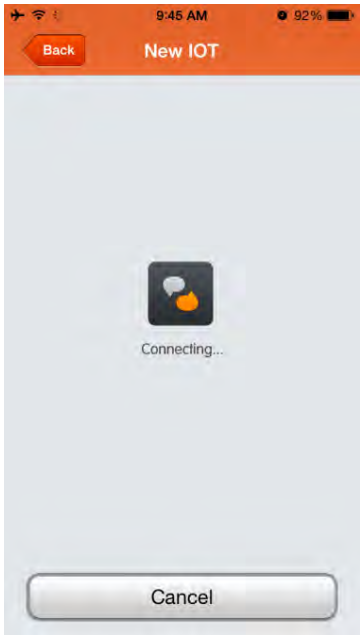
Step 8. Sapido APP will show the network device name and user name. All you have to do is to give a name for the network domain in blank and enter the default password “admin” in blank.

In order to protect your network domain security, please click <Change Password> and enter the new password. Then, click <New IOT> to finish the process. Now you have to enter your new password to access the domain security.

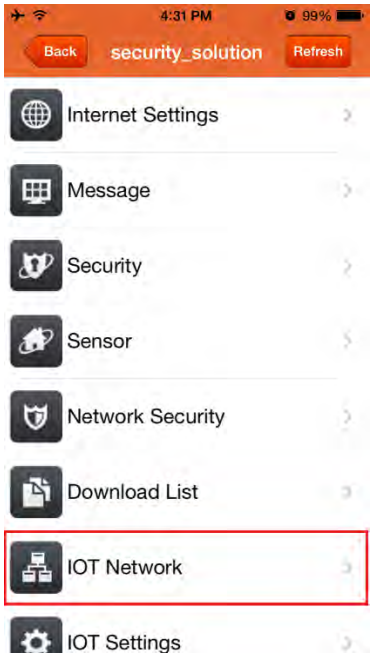


	IOT name of Domain	You can give your IOT Name in the blank.
	Device Name	The Device name will show up automatically, doesn't need to change.
	User name of Domain	The account will show up automatically, doesn't need to change
	Password of Domain	Need to enter the default password “admin”
Change Password	The Options of Changing Password	You can change the password for your domain

Step 9. Under connecting… Please wait



Step 10. Enter Sapido APP then log in your security network then click <IOT Settings>.



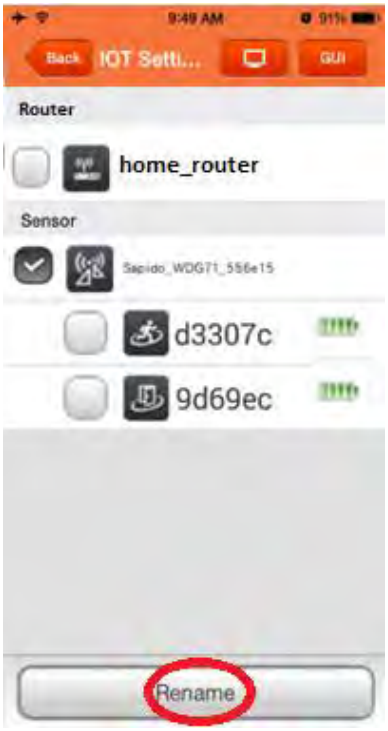
Step 11. You will see all the Sapido routers and devices under connecting after enter the page of IOT Settings. You can rename them. Later on, you will see all the devices with new name and battery status.

Step 12. Rename the router: Select the router and click <Rename>

Step 13. Enter the new name and click <Apply>, then complete rename the router

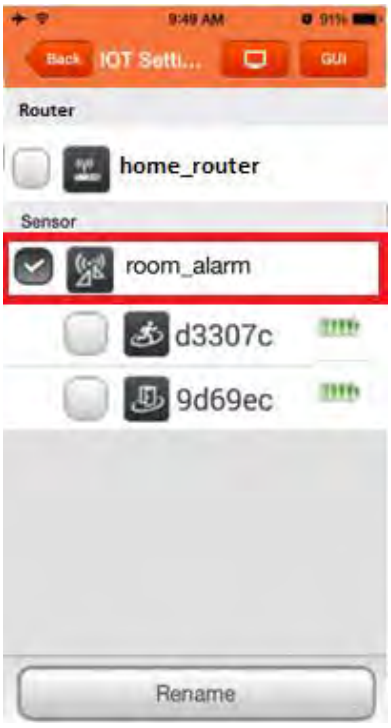
Step 14. The routers complete setting with new name

Step 15. Rename the Sensor Alarm Router: Select the Sensor Alarm Router and click <Rename>

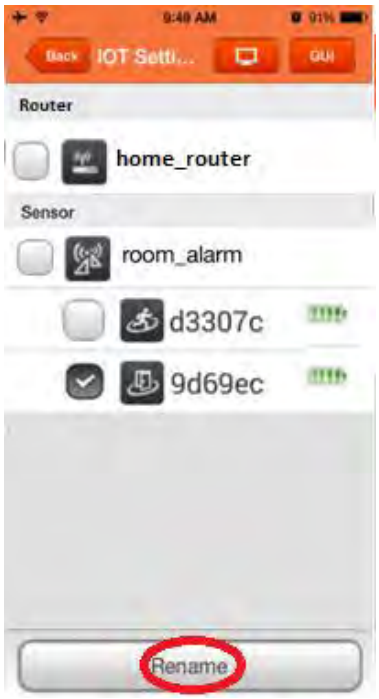


Step 16. Enter the new name and click <Apply>, then complete rename the controller

Step 17. Complete the Sensor Alarm Router (WDG71n) setting with new name

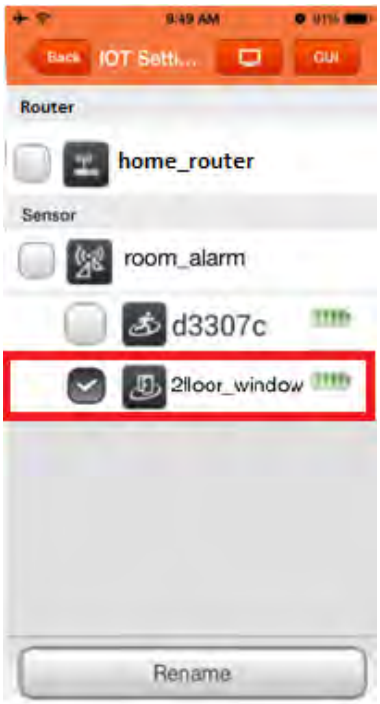


Step 18. Rename the Door & Window Sensor: Select the Door&Window Sensor and click <Rename>

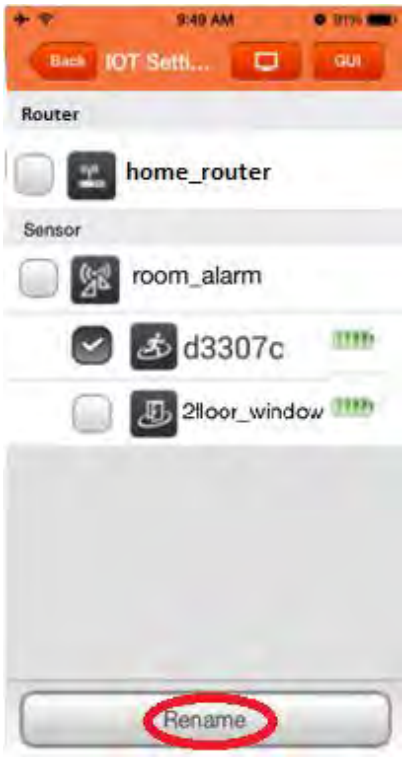


Step 19. Enter the new name and click <Apply>, then complete rename the Door & Window Sensor.

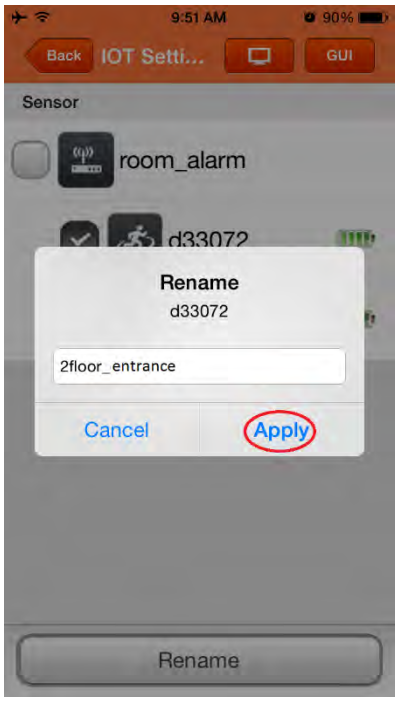
Step 20. Complete the Door & Window Sensor (DDLA0z) setting with new name



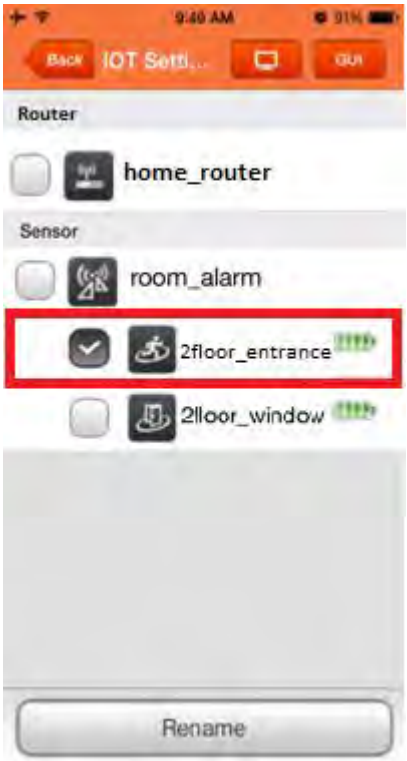
Step 21. Rename the Motion Sensor: Select the Motion Sensor and click <Rename>.



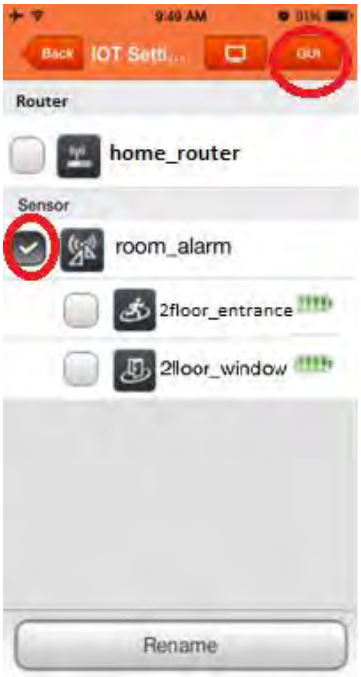
Step 22. Enter the new name and click <Apply>, then complete rename the Motion Sensor.



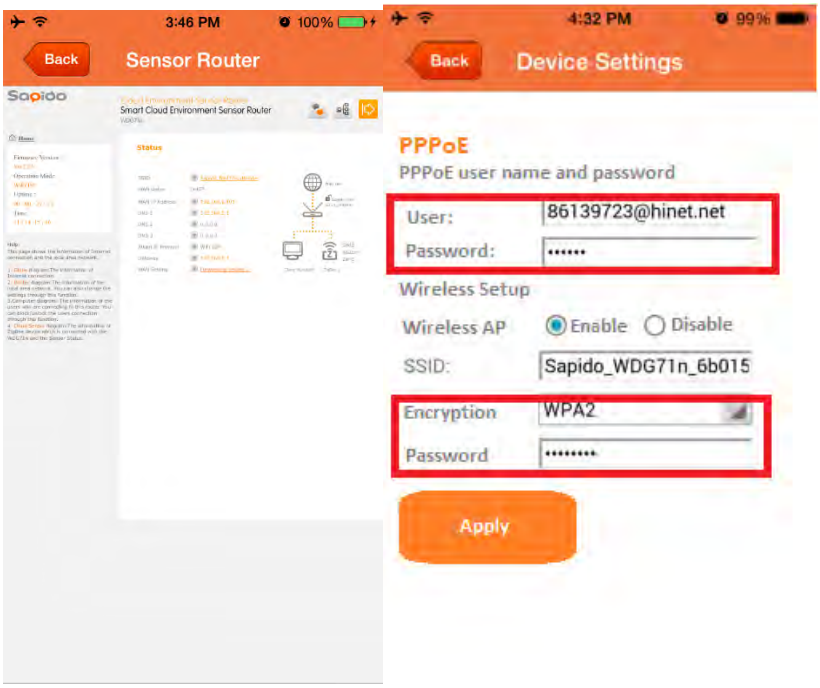
Step 23. Complete the Motion Sensor (MDKA0z) setting with new name.



Step 24. After rename all devices, please set up Wi-Fi password to protect your network for Sensor Alarm Router (WDG71n). Select the sensor and click <GUI> on the top right.



Step 25. You will see IOT Network of the router. Please select the type of encryption to “WPA2”, and enter the new password (at least 8 characters/numbers), click <Apply>. (You can arrange the screen for easier watching manually)



Step 26. Under connecting... Please wait

Step 27. After setting, back to the network main page to get started your security system.

	Security System Arm	Once you are sleeping or go out, please set the shield as green, which represents the security system is working.
	Alarm Triggered	When the security system was triggered, the shield will turn red. Click the shield from red to green to turn off the alert sound and stay security mode.
	Security System Disarm	To click the shield to turn gray represents turn off the security system.

10.2 Wireless network connecting- Transfer to Wireless network mode

Step 1. Switch to the W mode (Wi-Fi mode) and plug in. WAN/LAN light will turn red to green while starting up. After 30 seconds, both ZigBee lights and Wireless lights will turn on.

Step 2. Then press the ZigBee button on both Motion Sensor(MDKA0z) and Door & Window Sensor(DDLA0z) separately once(about 1 sec) to make them connect to the Sensor Alarm Router(WDG71n).

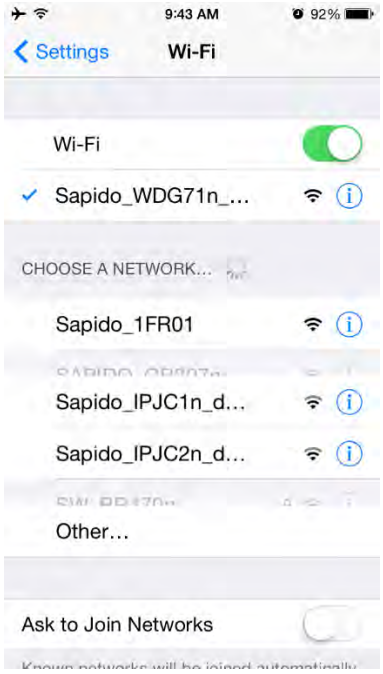
Step 3. Get started to make the WPS wireless (Wi-Fi) connection of Sensor Alarm Router (WDG71n): Please press the WPS button on both Sensor Alarm Router (WDG71n) and Sapido router separately. When both of the lights stop blinking, it means the connection and encryption are completed.

※ To understand more about Motion Sensor (MDKA0z) and Door & Window Sensor(DDLA0z), follow the **1.2 section of Hardware Installation instruction**.

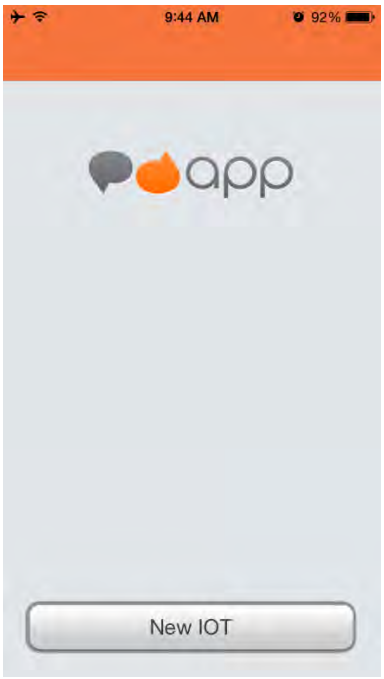
Step 4. Open the <Settings> page on your phone

Step 5. Turn on Wi-Fi and search the signal of your sensor

Step 6. Get on Wifi from either Sensor Alarm Router (WDG71n) or other Sapido routers.

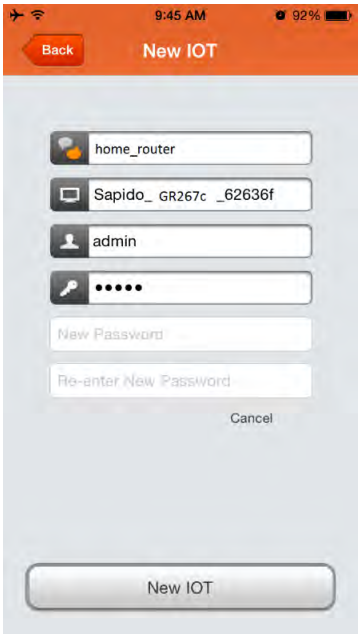


Step 7. Open the Sapido APP and click <New IOT>



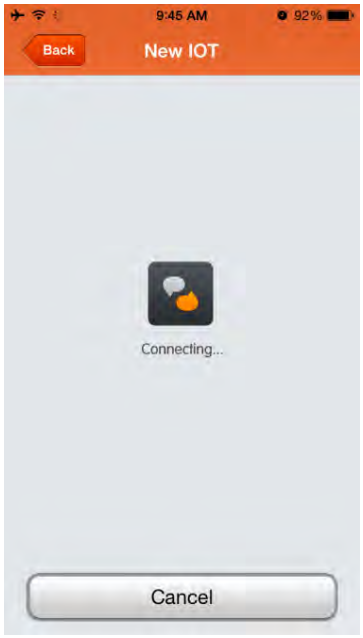
Step 8. Sapido APP will show the network device name and user name. All you have to do is to give a name for the network domain in blank and enter the default password “admin” in blank.

In order to protect your network domain security, please click <Change Password> and enter the new password. Then, click <New IOT> to finish the process. Now you have to enter your new password to access the domain security.

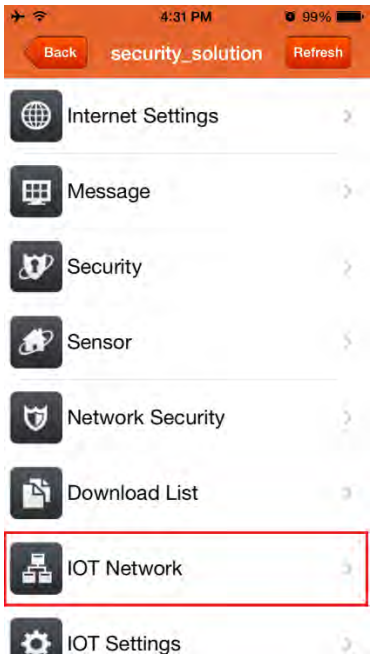


	IOT name of Domain	You can give your IOT Name in the blank.
	Device Name	The Device name will show up automatically, doesn't need to change.
	User name of Domain	The account will show up automatically, doesn't need to change
	Password of Domain	Need to enter the default password “admin”
Change Password	The Options of Changing Password	You can change the password for your domain

Step 9. Under connecting… Please wait



Step 10. Enter Sapido APP then log in your security network then click <IOT Settings>

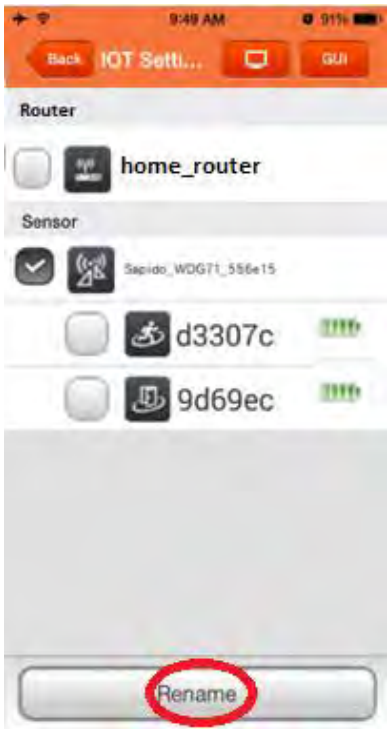
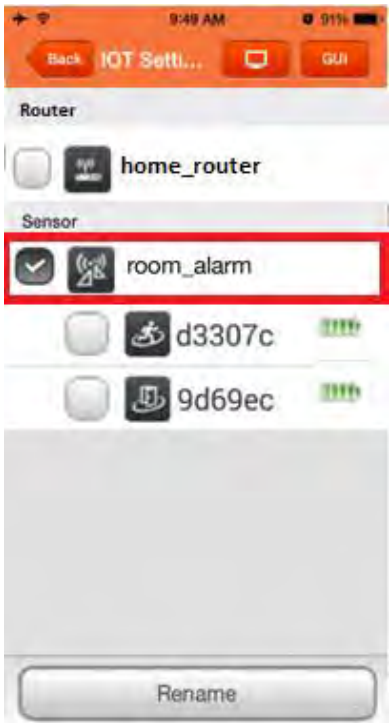
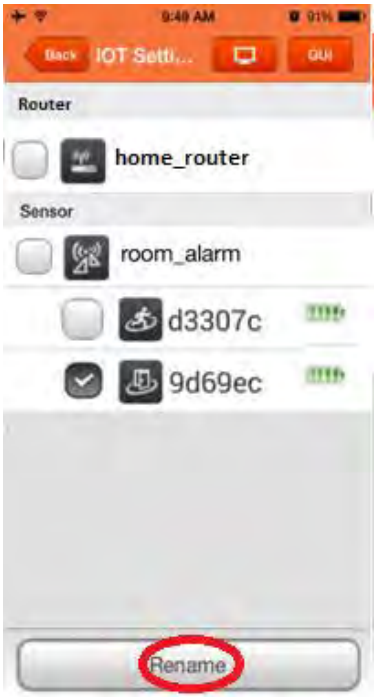
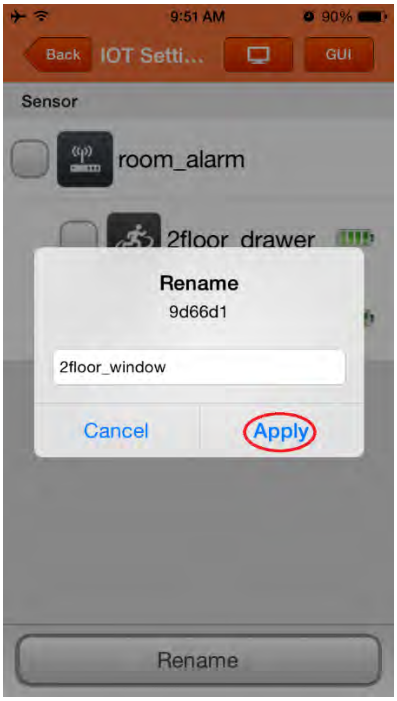
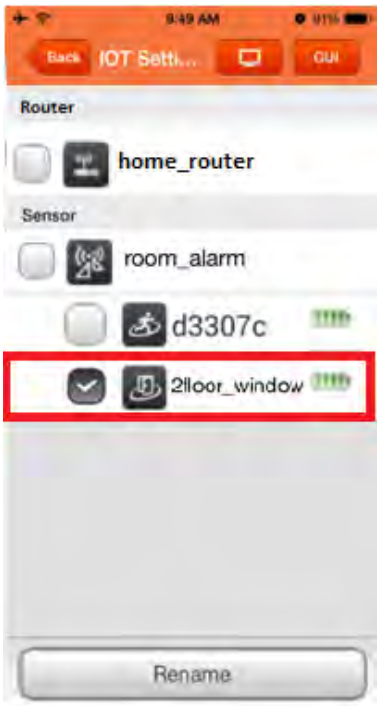


Step 11. You will see all the Sapido routers and devices under connecting after enter the page of IOT Settings. You can rename them. Later on, you will see all the devices with new name and battery status.

Step 12. Rename the router: Select the router and click <Rename>

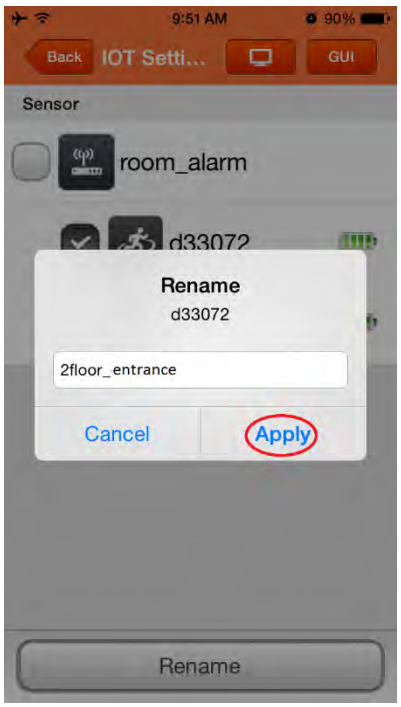
Step 13. Enter the new name and click <Apply>, then complete rename the router

Step 14. Complete the routers setting with new name

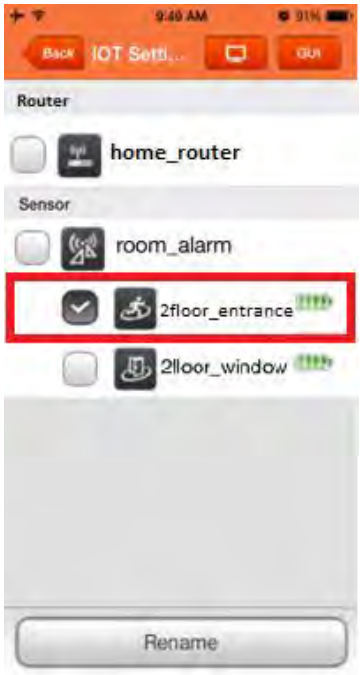
Step 15. Rename the Sensor Alarm Router: Select the Sensor Alarm Router and click <Rename>	Step 16. Enter the new name and click <Apply>, then complete rename the controller	Step 17. The Sensor Alarm Router (WDG71n) complete setting with new name
		
Step 18. Rename the Door & Window Sensor: Select the Door & Window Sensor and click <Rename>	Step 19. Enter the new name and click <Apply>, then complete rename the Door & Window Sensor	Step 20. Complete the Door & Window Sensor (DDLA0z) setting with new name
		

Step 21. Rename the Motion Sensor: Select the Motion Sensor and click <Rename>

Step 22. Enter the new name and click <Apply>, then complete rename the Motion Sensor.



Step 23. The complete setting with new name. (All the devices, WDG71n, DDLA0z, and MDKA0z should be connected after this step).



Step 24. After setting, back to the network main page to get started your security system

	Security System Arm	Once you are sleeping or go out, please set the shield as green, which represents the security system is working.
	Alarm Triggered	When the security system was triggered, the shield will turn red. Click the shield from red to green to turn off the alert sound and stay security mode.
	Security System Disarm	To click the shield to turn gray represents turn off the security system.

11. Q & A

Q1. How to reconnect Door & Window Sensor (DDLA0z) and Motion Sensor (MDKA0z) to Sensor Alarm Router (WDG71n) after unplugging or sensor firmware updating?

A1: Press the ZigBee button on both Motion Sensor(MDKA0z) and Door & Window Sensor(DDLA0z) separately once(about 1 sec) to reconnect with Sensor Alarm Router(WDG71n).

Q2. How long is the Door & Window Sensor (DDLA0z)'s battery life?

A2: It can remain about 6 months, normally use.

Q3. Will the security system still working while powering cut?

A3: The Sensor Alarm Router (WDG71n) has inserted lithium battery, and both Motion Sensor (MDKA0z) and Door & Window Sensor (DDLA0z) have inserted AAA batteries in order to remain the security system working. So that when it detects the door is opened, the alarm system will still on function. However, you cannot receive the alert message since there is no power on your router (EX: xDSL)

Q4. How to know the battery status?

A4: Sapido APP will send you a push notification to remind you to change battery. Also, you can check by self in “IOT Settings” page. When the battery symbol turn red represents low-power, please change batteries soon.